



Exchange rate statistics

December 2022

Statistical Series

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Abbreviations and symbols

CU	Currency unit(s)
EC	European Community
ECB	European Central Bank
ECU	European Currency Unit
EER	Effective exchange rate
ERM	Exchange Rate Mechanism
EU	European Union
IMF	International Monetary Fund
ISO	International Organization for Standardization
SDR	Special drawing right
SITC	Standard International Trade Classification
SWIFT	Society for Worldwide Interbank Financial Telecommunication

B	Buying rate
M	Middle rate
S	Selling rate
V	Calculated value

e	Estimated
p	Provisional
r	Revised
.	Data unknown, not to be published or not meaningful
–	Nil

Discrepancies in the totals are due to rounding.

I. Euro area and exchange rate stability convergence criterion

1. Euro area countries and irrevocable euro conversion rates in the third stage of Economic and Monetary Union

From	Country	Currency	ISO currency code	EUR 1 = CU ...	Council Regulation (EU) No 1
1999 January 1	Austria	Austrian schilling	ATS	13.7603	2866/98
	Belgium	Belgian franc	BEF	40.3399	2866/98
	Finland	Finnish markka	FIM	5.94573	2866/98
	France	French franc	FRF	6.55957	2866/98
	Germany	Deutsche Mark	DEM	1.95583	2866/98
	Ireland	Irish pound	IEP	0.787564	2866/98
	Italy	Italian lira	ITL	1,936.27	2866/98
	Luxembourg	Luxembourg franc	LUF	40.3399	2866/98
	Netherlands	Dutch guilder	NLG	2.20371	2866/98
	Portugal	Portuguese escudo	PTE	200.482	2866/98
	Spain	Spanish peseta	ESP	166.386	2866/98
2001 January 1	Greece	Greek drachma	GRD	340.750	1478/2000
2007 January 1	Slovenia	Slovenian tolar	SIT	239.640	1086/2006
2008 January 1	Cyprus	Cyprus pound	CYP	0.585274	1135/2007
	Malta	Maltese lira	MTL	0.429300	1134/2007
2009 January 1	Slovakia	Slovak koruna	SKK	30.1260	694/2008
2011 January 1	Estonia	Estonian kroon	EEK	15.6466	671/2010
2014 January 1	Latvia	Latvian lats	LVL	0.702804	870/2013
2015 January 1	Lithuania	Lithuanian litas	LTL	3.45280	851/2014
2023 January 1	Croatia	Croatian kuna	HRK	7.53450	1208/2022

1 The EU regulations can be found at <http://eur-lex.europa.eu>

2. Central rates and intervention rates in Exchange Rate Mechanism II *

Country Currency ISO currency code	Type of rate	EUR 1 = CU ...							
		From ...							
		1 Jan. 1999	17 Jan. 2000	28 June 2004	2 May 2005	28 Nov. 2005	19 Mar. 2007	29 May 2008	13 July 2020
Denmark	Upper rate	7.62824	7.62824	7.62824	7.62824	7.62824	7.62824	7.62824	7.62824
Danish krone	Central rate	¹ 7.46038	7.46038	7.46038	7.46038	7.46038	7.46038	7.46038	7.46038
DKK	Lower rate	7.29252	7.29252	7.29252	7.29252	7.29252	7.29252	7.29252	7.29252
Bulgaria	Upper rate	—	—	—	—	—	—	—	2.24920
Bulgarian lev	Central rate	—	—	—	—	—	—	—	² 1.95583
BGN	Lower rate	—	—	—	—	—	—	—	1.66246
Croatia	Upper rate	—	—	—	—	—	—	—	8.66468
Croatian kuna	Central rate	—	—	—	—	—	—	—	³ 7.53450
HRK	Lower rate	—	—	—	—	—	—	—	6.40433
Greece	Upper rate	406.075	391.863	—	—	—	—	—	—
Greek drachma	Central rate	¹ 353.109	⁴ 340.750	—	—	—	—	—	—
GRD	Lower rate	300.143	289.638	—	—	—	—	—	—
Estonia	Upper rate	—	—	17.9936	17.9936	17.9936	17.9936	17.9936	—
Estonian kroon	Central rate	—	—	15.6466	15.6466	15.6466	15.6466	⁵ 15.6466	—
EEK	Lower rate	—	—	13.2996	13.2996	13.2996	13.2996	13.2996	—
Lithuania	Upper rate	—	—	3.97072	3.97072	3.97072	3.97072	3.97072	—
Lithuanian litas	Central rate	—	—	3.45280	3.45280	3.45280	3.45280	⁶ 3.45280	—
LTL	Lower rate	—	—	2.93488	2.93488	2.93488	2.93488	2.93488	—
Slovenia	Upper rate	—	—	275.586	275.586	275.586	—	—	—
Slovenian tolar	Central rate	—	—	239.640	239.640	⁷ 239.640	—	—	—
SIT	Lower rate	—	—	203.694	203.694	203.694	—	—	—
Cyprus	Upper rate	—	—	—	0.673065	0.673065	0.673065	—	—
Cyprus pound	Central rate	—	—	—	0.585274	0.585274	⁸ 0.585274	—	—
CYP	Lower rate	—	—	—	0.497483	0.497483	0.497483	—	—
Latvia	Upper rate	—	—	—	0.808225	0.808225	0.808225	0.808225	—
Latvian lats	Central rate	—	—	—	0.702804	0.702804	0.702804	⁹ 0.702804	—
LVL	Lower rate	—	—	—	0.597383	0.597383	0.597383	0.597383	—
Malta	Upper rate	—	—	—	0.493695	0.493695	0.493695	—	—
Maltese lira	Central rate	—	—	—	0.429300	0.429300	⁸ 0.429300	—	—
MTL	Lower rate	—	—	—	0.364905	0.364905	0.364905	—	—
Slovakia	Upper rate	—	—	—	—	44.2233	40.7588	34.6449	—
Slovak koruna	Central rate	—	—	—	—	38.4550	35.4424	¹⁰ 30.1260	—
SKK	Lower rate	—	—	—	—	32.6868	30.1260	25.6071	—

Source: ECB. * One prerequisite before an EU Member State can join the euro area is that its currency must have observed the normal fluctuation margins of Exchange Rate Mechanism II (the standard fluctuation band is $\pm 15\%$) for at least two years without devaluing against the euro. The Danish krone has a fluctuation band of $\pm 2.25\%$ on either side of the central rate. ¹ According to the EU communiqué of 31 December 1998. ² According to the EU communiqué of 10 July 2020. ³ Until 31 December 2022; accession to the euro area on 1 January 2023. ⁴ Until 31 December 2000; accession to

the euro area on 1 January 2001. ⁵ Until 31 December 2010; accession to the euro area on 1 January 2011. ⁶ Until 31 December 2014; accession to the euro area on 1 January 2015. ⁷ Until 31 December 2006; accession to the euro area on 1 January 2007. ⁸ Until 31 December 2007; accession to the euro area on 1 January 2008. ⁹ Until 31 December 2013; accession to the euro area on 1 January 2014. ¹⁰ Until 31 December 2008; accession to the euro area on 1 January 2009.

II. Euro foreign exchange reference rates of the European Central Bank *

1. End-of-month and daily rates

EUR 1 = CU ...

EU member countries								
Period	Bulgaria	Croatia ¹	Czechia	Denmark	Hungary	Poland	Romania	Sweden
	Bulgarian lev BGN	Kuna HRK	Czech koruna CZK	Danish krone DKK	Hungarian forint HUF	Polish zloty PLN	Romanian leu RON	Swedish krona SEK
2021 Nov.	1.9558	7.5315	25.526	7.4368	365.68	4.6639	4.9510	10.2860
Dec.	1.9558	7.5156	24.858	7.4364	369.19	4.5969	4.9490	10.2503
2022 Jan.	1.9558	7.5293	24.372	7.4419	357.19	4.5892	4.9475	10.4890
Feb.	1.9558	7.5655	24.997	7.4404	369.72	4.6835	4.9484	10.6055
Mar.	1.9558	7.5740	24.375	7.4379	369.77	4.6531	4.9463	10.3370
Apr.	1.9558	7.5667	24.605	7.4415	378.71	4.6780	4.9479	10.2958
May	1.9558	7.5410	24.714	7.4394	396.20	4.5805	4.9408	10.5053
June	1.9558	7.5307	24.739	7.4392	397.04	4.6904	4.9464	10.7300
July	1.9558	7.5180	24.610	7.4438	404.80	4.7375	4.9343	10.3875
Aug.	1.9558	7.5148	24.550	7.4371	402.80	4.7283	4.8595	10.6788
Sep.	1.9558	7.5240	24.549	7.4365	422.18	4.8483	4.9490	10.8993
Oct.	1.9558	7.5310	24.488	7.4444	409.65	4.7085	4.9143	10.9010
Nov.	1.9558	7.5490	24.338	7.4366	408.40	4.6635	4.9245	10.9345
2022 Nov. 18	1.9558	7.5415	24.351	7.4385	407.41	4.7033	4.9413	10.9805
21	1.9558	7.5425	24.356	7.4377	409.43	4.7075	4.9413	10.9873
22	1.9558	7.5438	24.351	7.4377	408.23	4.7125	4.9269	10.9653
23	1.9558	7.5435	24.356	7.4370	405.75	4.7033	4.9370	10.8933
24	1.9558	7.5470	24.392	7.4369	413.33	4.6958	4.9205	10.8573
25	1.9558	7.5473	24.367	7.4365	411.33	4.6875	4.9255	10.8183
28	1.9558	7.5488	24.348	7.4367	408.87	4.6938	4.9246	10.8973
29	1.9558	7.5500	24.334	7.4367	406.50	4.6730	4.9193	10.9010
30	1.9558	7.5490	24.338	7.4366	408.40	4.6635	4.9245	10.9345
Dec. 1	1.9558	7.5500	24.361	7.4373	413.50	4.6998	4.9303	10.8984
2	1.9558	7.5503	24.377	7.4373	410.00	4.6840	4.9298	10.9020
5	1.9558	7.5510	24.351	7.4369	412.13	4.6950	4.9215	10.8931
6	1.9558	7.5563	24.316	7.4380	415.08	4.6975	4.9130	10.8890
7	1.9558	7.5525	24.322	7.4382	410.63	4.7003	4.9180	10.9190
8	1.9558	7.5553	24.324	7.4382	417.66	4.6853	4.9131	10.9060
9	1.9558	7.5550	24.293	7.4379	417.53	4.6869	4.9224	10.9188
12	1.9558	7.5540	24.307	7.4379	416.78	4.6923	4.9318	10.9075
13	1.9558	7.5495	24.287	7.4391	409.65	4.6938	4.9298	10.8965
14	1.9558	7.5380	24.276	7.4392	406.63	4.6810	4.9248	10.8638

Other European and non-European countries								
	Australia	Brazil	Canada	China	Hong Kong	Iceland	India	Indonesia
	Australian dollar AUD	Brazilian real BRL	Canadian dollar CAD	Yuan (renminbi) CNY	Hong Kong dollar HKD	Icelandic krona ISK	Indian rupee INR	Indonesian rupiah IDR
2021 Nov.	1.5898	6.3762	1.4518	7.2395	8.8601	147.00	85.3274	16,277.55
Dec.	1.5615	6.3101	1.4393	7.1947	8.8333	147.60	84.2292	16,100.42
2022 Jan.	1.5820	6.0030	1.4233	7.0963	8.6994	143.20	83.3655	16,036.76
Feb.	1.5508	5.7828	1.4264	7.0670	8.7514	141.80	84.5540	16,100.72
Mar.	1.4829	5.3009	1.3896	7.0403	8.6918	142.00	84.1340	15,947.00
Apr.	1.4699	5.1608	1.3426	6.9441	8.2703	137.80	80.6380	15,301.52
May	1.4933	5.0965	1.3573	7.1402	8.4063	136.30	83.2310	15,580.15
June	1.5099	5.4229	1.3425	6.9624	8.1493	138.90	82.1130	15,552.00
July	1.4646	5.2739	1.3100	6.8705	8.0054	138.30	80.8820	15,155.56
Aug.	1.4591	5.1482	1.3111	6.8947	7.8488	141.70	79.5465	14,849.93
Sep.	1.5076	5.2584	1.3401	6.9368	7.6521	140.90	79.4250	14,863.26
Oct.	1.5529	5.2694	1.3553	7.2380	7.7822	143.30	82.1035	15,489.55
Nov.	1.5425	5.5063	1.4021	7.3437	8.0944	147.10	84.4215	16,271.81
2022 Nov. 18	1.5433	5.5470	1.3841	7.3790	8.1092	148.90	84.6875	16,224.36
21	1.5471	5.4401	1.3770	7.3419	7.9989	147.90	83.7375	16,116.76
22	1.5473	5.4578	1.3765	7.3344	8.0313	145.70	83.8768	16,106.79
23	1.5522	5.5650	1.3856	7.3982	8.0708	146.70	84.4660	16,189.81
24	1.5414	5.5504	1.3894	7.4442	8.1324	146.50	85.0295	16,295.35
25	1.5404	5.5476	1.3864	7.4425	8.1084	146.50	84.7145	16,282.44
28	1.5632	5.6354	1.4062	7.5326	8.1782	146.70	85.4370	16,440.45
29	1.5414	5.5126	1.4005	7.4289	8.0965	147.10	84.6548	16,301.58
30	1.5425	5.5063	1.4021	7.3437	8.0944	147.10	84.4215	16,271.81
Dec. 1	1.5377	5.4508	1.4059	7.3965	8.1371	148.70	84.9330	16,160.84
2	1.5457	5.4657	1.4160	7.3971	8.2035	148.70	85.6435	16,179.78
5	1.5542	5.5491	1.4198	7.3573	8.2236	148.90	86.5249	16,332.36
6	1.5625	5.5113	1.4326	7.3494	8.1813	148.90	86.6485	16,441.49
7	1.5728	5.5023	1.4387	7.3476	8.1997	148.70	86.6920	16,465.17
8	1.5590	5.4880	1.4307	7.3324	8.1889	149.50	86.6755	16,423.92
9	1.5553	5.5457	1.4380	7.3475	8.2169	149.50	86.9535	16,453.46
12	1.5625	5.5560	1.4428	7.3670	8.2103	150.70	87.2530	16,524.63
13	1.5553	5.5784	1.4341	7.3637	8.2033	151.10	87.2965	16,521.81
14	1.5510	5.6842	1.4441	7.4009	8.2751	150.90	87.8435	16,599.51

* See Explanatory notes, p. 48. ¹ Accession to the euro area on 1 January 2023.

II. Euro foreign exchange reference rates of the European Central Bank *

1. End-of-month and daily rates (cont'd)

EUR 1 = CU ...

Other European and non-European countries (cont'd)								
Period	Israel	Japan	Korea, Republic of	Malaysia	Mexico	New Zealand	Norway	Philippines
	New shekel ILS	Japanese yen JPY	South Korean won KRW	Malaysian ringgit MYR	Mexican peso MXN	New Zealand dollar NZD	Norwegian krone NOK	Philippine peso PHP
2021 Nov.	3.5887	128.20	1,350.29	4.7753	24.5059	1.6644	10.2795	57.271
Dec.	3.5159	130.38	1,346.38	4.7184	23.1438	1.6579	9.9888	57.763
2022 Jan.	3.5640	128.79	1,349.08	4.6693	23.1856	1.6983	10.0085	56.985
Feb.	3.6300	129.31	1,347.62	4.7019	22.9011	1.6628	9.9465	57.432
Mar.	3.5243	135.17	1,347.37	4.6677	22.0903	1.6014	9.7110	57.514
Apr.	3.4993	137.01	1,326.71	4.5886	21.4181	1.6119	9.7525	55.200
May	3.5746	137.36	1,329.32	4.6907	20.9870	1.6459	10.0983	56.323
June	3.6392	141.54	1,351.60	4.5781	20.9641	1.6705	10.3485	57.150
July	3.4714	136.42	1,329.40	4.5386	20.6745	1.6283	9.8773	56.375
Aug.	3.3399	138.72	1,342.79	4.4755	20.2044	1.6322	9.9388	56.153
Sep.	3.4759	141.01	1,400.69	4.5201	19.6393	1.7177	10.5838	57.276
Oct.	3.4933	147.40	1,416.12	4.6873	19.7122	1.7099	10.3028	57.800
Nov.	3.5691	144.28	1,365.14	4.6147	20.0111	1.6634	10.2648	58.697
2022 Nov. 18	3.5910	145.12	1,389.02	4.7202	20.1620	1.6757	10.4860	59.410
21	3.5515	145.33	1,395.00	4.6927	19.9357	1.6766	10.4898	58.822
22	3.5615	145.20	1,392.68	4.7055	20.0951	1.6707	10.4445	58.942
23	3.5681	145.75	1,397.42	4.7237	20.0010	1.6718	10.3659	58.914
24	3.5607	143.90	1,382.28	4.6806	20.1501	1.6598	10.3435	58.992
25	3.5551	144.62	1,383.20	4.6480	20.1069	1.6651	10.2985	58.795
28	3.6002	144.90	1,396.56	4.6874	20.2200	1.6827	10.3640	59.210
29	3.5581	143.36	1,375.70	4.6735	19.8075	1.6639	10.3313	58.640
30	3.5691	144.28	1,365.14	4.6147	20.0111	1.6634	10.2648	58.697
Dec. 1	3.5642	142.48	1,363.81	4.6050	20.1472	1.6446	10.2495	58.793
2	3.5769	141.32	1,366.67	4.6241	20.1870	1.6453	10.2615	58.734
5	3.5856	143.07	1,370.87	4.6255	20.7295	1.6498	10.3366	59.245
6	3.5831	143.33	1,386.39	4.6223	20.6884	1.6583	10.4408	58.782
7	3.6260	144.44	1,390.87	4.6301	20.7534	1.6573	10.5255	58.432
8	3.6206	143.75	1,387.06	4.6257	20.6989	1.6547	10.4880	58.233
9	3.6128	143.30	1,373.94	4.6512	20.8490	1.6482	10.5345	58.470
12	3.6232	144.86	1,377.93	4.6652	20.9047	1.6523	10.5548	58.788
13	3.6266	144.85	1,378.75	4.6704	20.9435	1.6464	10.4679	58.852
14	3.6327	143.68	1,379.99	4.6765	20.8635	1.6508	10.3620	59.326

Other European and non-European countries (cont'd)								
Period	Russian Federation	Singapore	South Africa	Switzerland	Thailand	Turkey	United Kingdom	United States
	Russian rouble RUB 1	Singapore dollar SGD	South African rand ZAR	Swiss franc CHF	Thai baht THB	Turkish lira TRY	Pound sterling GBP	US dollar USD
2021 Nov.	84.6123	1.5521	18.2269	1.0430	38.282	14.9342	0.85173	1.1363
Dec.	85.3004	1.5279	18.0625	1.0331	37.653	15.2335	0.84028	1.1326
2022 Jan.	86.7251	1.5110	17.3734	1.0404	37.144	14.9310	0.83153	1.1156
Feb.	115.4842	1.5201	17.2863	1.0336	36.593	15.4532	0.83550	1.1199
Mar.	—	1.5028	16.1727	1.0267	36.911	16.2823	0.84595	1.1101
Apr.	—	1.4545	16.6473	1.0229	36.026	15.6385	0.83908	1.0540
May	—	1.4687	16.7450	1.0281	36.751	17.5817	0.85138	1.0713
June	—	1.4483	17.0143	0.9960	36.754	17.3220	0.85820	1.0387
July	—	1.4088	16.8627	0.9744	36.978	18.2472	0.83990	1.0198
Aug.	—	1.3969	17.0667	0.9796	36.450	18.1849	0.86035	1.0000
Sep.	—	1.4001	17.5353	0.9561	36.823	18.0841	0.88300	0.9748
Oct.	—	1.4038	18.1736	0.9925	37.748	18.4562	0.86115	0.9914
Nov.	—	1.4180	17.5768	0.9854	36.588	19.3333	0.86488	1.0376
2022 Nov. 18	—	1.4229	17.9080	0.9881	37.069	19.3009	0.87063	1.0366
21	—	1.4162	17.7858	0.9817	37.121	19.0822	0.86793	1.0246
22	—	1.4167	17.7568	0.9791	37.110	19.1221	0.86358	1.0274
23	—	1.4295	17.7103	0.9795	37.423	19.2316	0.86369	1.0325
24	—	1.4319	17.7246	0.9818	37.258	19.3969	0.85933	1.0413
25	—	1.4277	17.7677	0.9836	37.153	19.3333	0.85885	1.0375
28	—	1.4375	17.9376	0.9872	37.285	19.4844	0.86606	1.0463
29	—	1.4237	17.6027	0.9862	36.706	19.3181	0.86218	1.0366
30	—	1.4180	17.5768	0.9854	36.588	19.3333	0.86488	1.0376
Dec. 1	—	1.4195	18.5393	0.9868	36.526	19.4778	0.85715	1.0454
2	—	1.4227	18.2749	0.9834	36.614	19.6392	0.85855	1.0538
5	—	1.4271	18.2038	0.9893	36.732	19.7326	0.86085	1.0587
6	—	1.4263	18.2068	0.9872	36.827	19.6010	0.86170	1.0516
7	—	1.4286	18.1353	0.9893	36.904	19.6256	0.86408	1.0529
8	—	1.4256	18.0225	0.9889	36.559	19.6114	0.86258	1.0519
9	—	1.4260	18.2358	0.9856	36.656	19.6872	0.85950	1.0559
12	—	1.4284	18.4697	0.9855	36.708	19.6913	0.86006	1.0562
13	—	1.4288	18.6855	0.9869	36.707	19.6649	0.85753	1.0545
14	—	1.4349	18.2563	0.9865	36.851	19.8579	0.86118	1.0649

* See Explanatory notes, p. 48. 1 The ECB has suspended the publication of the euro foreign exchange reference rate against the Russian rouble with effect from 2 March 2022.

II. Euro foreign exchange reference rates of the European Central Bank *

2. Annual and monthly averages +

EUR 1 = CU ...

EU member countries								
Period	Bulgaria	Croatia ¹	Czechia	Denmark	Hungary	Poland	Romania	Sweden
	Bulgarian lev BGN	Kuna HRK	Czech koruna CZK	Danish krone DKK	Hungarian forint HUF	Polish zloty PLN	Romanian leu RON	Swedish krona SEK
2020	1.9558	7.5384	26.455	7.4542	351.25	4.4430	4.8383	10.4848
2021	1.9558	7.5284	25.640	7.4370	358.52	4.5652	4.9215	10.1465
2020 Oct.	1.9558	7.5746	27.213	7.4424	362.53	4.5414	4.8747	10.3967
Nov.	1.9558	7.5623	26.466	7.4459	359.84	4.4949	4.8704	10.2311
Dec.	1.9558	7.5417	26.311	7.4412	359.02	4.4786	4.8703	10.1736
2021 Jan.	1.9558	7.5653	26.141	7.4387	359.19	4.5333	4.8732	10.0952
Feb.	1.9558	7.5729	25.876	7.4367	358.15	4.4968	4.8750	10.0887
Mar.	1.9558	7.5783	26.178	7.4363	365.61	4.5991	4.8884	10.1692
Apr.	1.9558	7.5679	25.924	7.4367	360.58	4.5615	4.9231	10.1620
May	1.9558	7.5226	25.558	7.4362	353.65	4.5281	4.9250	10.1471
June	1.9558	7.4980	25.454	7.4364	349.94	4.5005	4.9238	10.1172
July	1.9558	7.5027	25.636	7.4373	357.26	4.5616	4.9255	10.1979
Aug.	1.9558	7.4960	25.470	7.4369	351.84	4.5687	4.9232	10.2157
Sep.	1.9558	7.4924	25.392	7.4361	352.51	4.5681	4.9471	10.1710
Oct.	1.9558	7.5135	25.496	7.4398	360.82	4.5909	4.9480	10.0557
Nov.	1.9558	7.5195	25.391	7.4373	364.50	4.6462	4.9494	10.0459
Dec.	1.9558	7.5201	25.246	7.4362	367.50	4.6137	4.9492	10.2726
2022 Jan.	1.9558	7.5247	24.470	7.4411	358.68	4.5522	4.9454	10.3579
Feb.	1.9558	7.5338	24.437	7.4408	356.97	4.5487	4.9458	10.5342
Mar.	1.9558	7.5711	25.007	7.4404	376.64	4.7522	4.9482	10.5463
Apr.	1.9558	7.5577	24.435	7.4391	374.87	4.6485	4.9442	10.3175
May	1.9558	7.5356	24.750	7.4405	384.45	4.6485	4.9460	10.4956
June	1.9558	7.5252	24.719	7.4392	396.66	4.6471	4.9444	10.6005
July	1.9558	7.5185	24.594	7.4426	404.10	4.7682	4.9396	10.5752
Aug.	1.9558	7.5138	24.568	7.4393	402.10	4.7233	4.8943	10.5021
Sep.	1.9558	7.5222	24.576	7.4366	404.19	4.7414	4.9097	10.7840
Oct.	1.9558	7.5298	24.528	7.4389	418.31	4.8040	4.9259	10.9503
Nov.	1.9558	7.5426	24.369	7.4387	406.68	4.6964	4.9142	10.8798

Other European and non-European countries								
	Australia	Brazil	Canada	China	Hong Kong	Iceland	India	Indonesia
	Australian dollar AUD	Brazilian real BRL	Canadian dollar CAD	Yuan (renminbi) CNY	Hong Kong dollar HKD	Icelandic krona ISK	Indian rupee INR	Indonesian rupiah IDR
2020	1.6549	5.8943	1.5300	7.8747	8.8587	154.59	84.6392	16,627.37
2021	1.5749	6.3779	1.4826	7.6282	9.1932	150.15	87.4392	16,920.72
2020 Oct.	1.6521	6.6170	1.5559	7.9225	9.1262	163.65	86.5891	17,348.27
Nov.	1.6266	6.4324	1.5472	7.8152	9.1775	161.90	87.8553	16,824.32
Dec.	1.6166	6.2658	1.5595	7.9602	9.4341	155.13	89.6081	17,226.83
2021 Jan.	1.5764	6.5102	1.5494	7.8730	9.4362	156.48	88.9936	17,111.98
Feb.	1.5605	6.5434	1.5354	7.8136	9.3794	155.26	88.0756	17,002.56
Mar.	1.5444	6.7247	1.4970	7.7465	9.2400	151.51	86.6550	17,135.25
Apr.	1.5544	6.6565	1.4975	7.8051	9.3064	150.75	89.4210	17,414.37
May	1.5653	6.4462	1.4732	7.8109	9.4317	149.66	88.9171	17,393.13
June	1.5761	6.0693	1.4713	7.7391	9.3507	146.84	88.6298	17,295.86
July	1.5926	6.0930	1.4806	7.6536	9.1862	147.10	88.1134	17,148.30
Aug.	1.6118	6.1884	1.4827	7.6237	9.1633	148.45	87.2573	16,926.94
Sep.	1.6087	6.1966	1.4910	7.6007	9.1583	150.96	86.6330	16,781.39
Oct.	1.5669	6.4204	1.4436	7.4500	9.0257	149.66	86.9571	16,450.02
Nov.	1.5615	6.3434	1.4339	7.2927	8.8922	149.16	85.0038	16,298.12
Dec.	1.5781	6.3841	1.4463	7.1993	8.8155	147.15	85.1762	16,184.17
2022 Jan.	1.5770	6.2673	1.4282	7.1922	8.8166	146.09	84.2273	16,227.12
Feb.	1.5825	5.8903	1.4422	7.1957	8.8461	141.99	85.0312	16,271.78
Mar.	1.4946	5.4884	1.3950	6.9916	8.6199	143.39	83.9933	15,802.12
Apr.	1.4663	5.1342	1.3652	6.9605	8.4828	139.83	82.4033	15,566.64
May	1.4995	5.2460	1.3588	7.0830	8.3030	138.46	81.7828	15,422.62
June	1.5044	5.3209	1.3537	7.0734	8.2922	138.47	82.5112	15,531.74
July	1.4856	5.4718	1.3180	6.8538	7.9895	139.05	81.0182	15,258.22
Aug.	1.4550	5.2111	1.3078	6.8884	7.9473	140.12	80.5563	15,024.16
Sep.	1.4820	5.1791	1.3187	6.9508	7.7738	140.35	79.4558	14,847.40
Oct.	1.5474	5.1658	1.3477	7.0687	7.7128	141.50	80.9180	15,172.93
Nov.	1.5455	5.3846	1.3708	7.3171	7.9873	146.98	83.3384	15,975.07

* See Explanatory notes, p. 48. + Averages: Bundesbank calculations based on the daily euro foreign exchange reference rates published by the ECB. ¹ Accession to the euro area on 1 January 2023.

II. Euro foreign exchange reference rates of the European Central Bank *

2. Annual and monthly averages + (cont'd)

EUR 1 = CU ...

Other European and non-European countries (cont'd)								
Period	Israel New shekel ILS	Japan Japanese yen JPY	Korea, Republic of South Korean won KRW	Malaysia Malaysian ringgit MYR	Mexico Mexican peso MXN	New Zealand New Zealand dollar NZD	Norway Norwegian krone NOK	Philippines Philippine peso PHP
2020	3.9258	121.85	1,345.58	4.7959	24.5194	1.7561	10.7228	56.615
2021	3.8208	129.88	1,354.06	4.9015	23.9852	1.6724	10.1633	58.299
2020 Oct.	3.9966	123.89	1,347.03	4.8891	25.0613	1.7736	10.9220	57.107
Nov.	3.9773	123.61	1,319.66	4.8673	24.1554	1.7237	10.7453	57.127
Dec.	3.9513	126.28	1,332.54	4.9363	24.2914	1.7161	10.6008	58.527
2021 Jan.	3.9249	126.31	1,338.64	4.9154	24.2483	1.6924	10.3661	58.498
Feb.	3.9581	127.49	1,345.06	4.8944	24.5557	1.6702	10.2791	58.401
Mar.	3.9402	129.38	1,345.58	4.8907	24.7451	1.6686	10.1469	57.783
Apr.	3.9205	130.49	1,337.96	4.9358	24.0005	1.6788	10.0376	58.067
May	3.9623	132.57	1,364.47	5.0142	24.2682	1.6817	10.0931	58.222
June	3.9179	132.63	1,352.47	4.9808	24.1066	1.6944	10.1444	58.040
July	3.8668	130.35	1,354.46	4.9680	23.6101	1.6933	10.3767	59.264
Aug.	3.7942	129.28	1,366.74	4.9660	23.6237	1.6872	10.4195	59.088
Sep.	3.7744	129.66	1,380.51	4.9054	23.5675	1.6676	10.1861	59.115
Oct.	3.7292	131.21	1,371.23	4.8307	23.7308	1.6452	9.8143	58.835
Nov.	3.5588	130.12	1,351.74	4.7695	23.8113	1.6261	9.9661	57.473
Dec.	3.5426	128.80	1,338.49	4.7599	23.6159	1.6649	10.1308	56.917
2022 Jan.	3.5487	130.01	1,353.61	4.7405	23.1891	1.6789	10.0070	58.000
Feb.	3.6452	130.66	1,358.53	4.7492	23.1808	1.6982	10.0544	58.163
Mar.	3.5710	130.71	1,345.66	4.6277	22.6476	1.6049	9.7367	57.415
Apr.	3.5106	136.61	1,337.58	4.6208	21.7206	1.5978	9.6191	56.264
May	3.5758	136.24	1,340.10	4.6344	21.1861	1.6515	10.1453	55.421
June	3.6038	141.57	1,351.47	4.6496	21.1240	1.6640	10.2972	56.756
July	3.5309	139.17	1,332.00	4.5197	20.8955	1.6436	10.1823	56.917
Aug.	3.3408	136.85	1,337.90	4.5233	20.3909	1.6158	9.8309	56.542
Sep.	3.4181	141.57	1,381.71	4.5005	19.8718	1.6691	10.1697	57.074
Oct.	3.4823	144.73	1,403.51	4.6127	19.6481	1.7299	10.3919	57.738
Nov.	3.5488	145.12	1,384.19	4.7002	19.8393	1.6828	10.3357	58.655

Other European and non-European countries (cont'd)								
Period	Russian Federation Russian rouble RUB 1	Singapore Singapore dollar SGD	South Africa South African rand ZAR	Switzerland Swiss franc CHF	Thailand Thai baht THB	Turkey Turkish lira TRY	United Kingdom Pound sterling GBP	United States US dollar USD
2020	82.7248	1.5742	18.7655	1.0705	35.708	8.0547	0.88970	1.1422
2021	87.1527	1.5891	17.4766	1.0811	37.837	10.5124	0.85960	1.1827
2020 Oct.	91.4320	1.6008	19.3657	1.0739	36.796	9.3701	0.90741	1.1775
Nov.	91.0097	1.5944	18.4019	1.0785	36.041	9.4522	0.89605	1.1838
Dec.	90.2398	1.6218	18.1286	1.0814	36.610	9.3817	0.90624	1.2170
2021 Jan.	90.5697	1.6140	18.4295	1.0794	36.528	9.0059	0.89267	1.2171
Feb.	89.9554	1.6060	17.8629	1.0858	36.307	8.5785	0.87268	1.2098
Mar.	88.6326	1.5975	17.8284	1.1065	36.632	9.1301	0.85873	1.1899
Apr.	91.1446	1.5975	17.2486	1.1031	37.551	9.7936	0.86527	1.1979
May	89.8737	1.6153	17.0766	1.0968	37.992	10.1852	0.86258	1.2146
June	87.4561	1.6062	16.7540	1.0940	37.873	10.3823	0.85872	1.2047
July	87.3970	1.6019	17.1648	1.0856	38.586	10.1587	0.85613	1.1822
Aug.	86.6067	1.5947	17.3827	1.0762	38.956	9.9788	0.85287	1.1772
Sep.	85.7740	1.5864	17.1373	1.0857	38.919	10.0691	0.85683	1.1770
Oct.	82.7727	1.5673	17.2300	1.0708	38.813	10.6809	0.84694	1.1601
Nov.	83.1111	1.5487	17.7055	1.0522	37.773	12.2361	0.84786	1.1414
Dec.	83.4913	1.5403	17.9331	1.0408	37.931	15.4045	0.84875	1.1304
2022 Jan.	86.5552	1.5286	17.5286	1.0401	37.607	15.3525	0.83503	1.1314
Feb.	88.8910	1.5274	17.2663	1.0461	37.014	15.4901	0.83787	1.1342
Mar.	—	1.4972	16.5138	1.0245	36.648	16.1233	0.83638	1.1019
Apr.	—	1.4775	16.2796	1.0211	36.559	15.9311	0.83655	1.0819
May	—	1.4621	16.8131	1.0355	36.392	16.5412	0.84969	1.0579
June	—	1.4624	16.6961	1.0245	36.928	17.9599	0.85759	1.0566
July	—	1.4211	17.1606	0.9876	37.028	17.7896	0.84955	1.0179
Aug.	—	1.4016	16.9182	0.9690	36.306	18.2701	0.84499	1.0128
Sep.	—	1.3999	17.3828	0.9640	36.670	18.1465	0.87463	0.9904
Oct.	—	1.4003	17.8214	0.9791	37.286	18.2655	0.87058	0.9826
Nov.	—	1.4144	17.8328	0.9842	37.087	18.9877	0.86892	1.0201

* See Explanatory notes, p. 48. + Averages: Bundesbank calculations based on the daily euro foreign exchange reference rates published by the ECB. 1 The ECB has suspended

the publication of the euro foreign exchange reference rate against the Russian rouble with effect from 2 March 2022.

II. Euro foreign exchange reference rates of the European Central Bank *

3. End-of-year rates and annual averages

EUR 1 = CU ...

Period	EU member countries								
	Bulgaria	Croatia ¹	Czechia	Denmark	Estonia ¹	Hungary	Latvia ¹	Lithuania ¹	Poland
	Bulgarian lev BGN	Kuna HRK	Czech koruna CZK	Danish krone DKK	Estonian kroon EEK	Hungarian forint HUF	Latvian lats LVL	Lithuanian litas LTL	Polish zloty PLN
End of year									
2008	1.9558	7.3555	26.875	7.4506	15.6466	266.70	0.708300	3.4528	4.1535
2009	1.9558	7.3000	26.473	7.4418	15.6466	270.42	0.709300	3.4528	4.1045
2010	1.9558	7.3830	25.061	7.4535	15.6466	277.95	0.709400	3.4528	3.9750
2011	1.9558	7.5370	25.787	7.4342	—	314.58	0.699500	3.4528	4.4580
2012	1.9558	7.5575	25.151	7.4610	—	292.30	0.697700	3.4528	4.0740
2013	1.9558	7.6265	27.427	7.4593	—	297.04	0.702804	3.4528	4.1543
2014	1.9558	7.6580	27.735	7.4453	—	315.54	—	3.4528	4.2732
2015	1.9558	7.6380	27.023	7.4626	—	315.98	—	—	4.2639
2016	1.9558	7.5597	27.021	7.4344	—	309.83	—	—	4.4103
2017	1.9558	7.4400	25.535	7.4449	—	310.33	—	—	4.1770
2018	1.9558	7.4125	25.724	7.4673	—	320.98	—	—	4.3014
2019	1.9558	7.4395	25.408	7.4715	—	330.53	—	—	4.2568
2020	1.9558	7.5519	26.242	7.4409	—	363.89	—	—	4.5597
2021	1.9558	7.5156	24.858	7.4364	—	369.19	—	—	4.5969
Annual averages +									
2008	1.9558	7.2239	24.946	7.4560	15.6466	251.51	0.7027	3.4528	3.5121
2009	1.9558	7.3400	26.435	7.4462	15.6466	280.33	0.7057	3.4528	4.3276
2010	1.9558	7.2891	25.284	7.4473	15.6466	275.48	0.7087	3.4528	3.9947
2011	1.9558	7.4390	24.590	7.4506	—	279.37	0.7063	3.4528	4.1206
2012	1.9558	7.5217	25.149	7.4437	—	289.25	0.6973	3.4528	4.1847
2013	1.9558	7.5786	25.980	7.4579	—	296.87	0.7015	3.4528	4.1975
2014	1.9558	7.6344	27.536	7.4548	—	308.71	—	3.4528	4.1843
2015	1.9558	7.6137	27.279	7.4587	—	310.00	—	—	4.1841
2016	1.9558	7.5333	27.034	7.4452	—	311.44	—	—	4.3632
2017	1.9558	7.4637	26.326	7.4386	—	309.19	—	—	4.2570
2018	1.9558	7.4182	25.647	7.4532	—	318.89	—	—	4.2615
2019	1.9558	7.4180	25.670	7.4661	—	325.30	—	—	4.2976
2020	1.9558	7.5384	26.455	7.4542	—	351.25	—	—	4.4430
2021	1.9558	7.5284	25.640	7.4370	—	358.52	—	—	4.5652

Period	EU member countries (cont'd)			Other European and non-European countries					
	Romania	Slovakia ¹	Sweden	Australia	Brazil	Canada	China	Hong Kong	Iceland
	Romanian leu RON	Slovak koruna SKK	Swedish krona SEK	Australian dollar AUD	Brazilian real BRL	Canadian dollar CAD	Yuan (renminbi) CNY	Hong Kong dollar HKD	Icelandic krona ISK ²
End of year									
2008	4.0225	30.126	10.8700	2.0274	3.2436	1.6998	9.4956	10.7858	—
2009	4.2363	—	10.2520	1.6008	2.5113	1.5128	9.8350	11.1709	—
2010	4.2620	—	8.9655	1.3136	2.2177	1.3322	8.8220	10.3856	—
2011	4.3233	—	8.9120	1.2723	2.4159	1.3215	8.1588	10.0510	—
2012	4.4445	—	8.5820	1.2712	2.7036	1.3137	8.2207	10.2260	—
2013	4.4710	—	8.8591	1.5423	3.2576	1.4671	8.3491	10.6933	—
2014	4.4828	—	9.3930	1.4829	3.2207	1.4063	7.5358	9.4170	—
2015	4.5240	—	9.1895	1.4897	4.3117	1.5116	7.0608	8.4376	—
2016	4.5390	—	9.5525	1.4596	3.4305	1.4188	7.3202	8.1751	—
2017	4.6585	—	9.8438	1.5346	3.9729	1.5039	7.8044	9.3720	—
2018	4.6635	—	10.2548	1.6220	4.4440	1.5605	7.8751	8.9675	133.20
2019	4.7830	—	10.4468	1.5995	4.5157	1.4598	7.8205	8.7473	135.80
2020	4.8683	—	10.0343	1.5896	6.3735	1.5633	8.0225	9.5142	156.10
2021	4.9490	—	10.2503	1.5615	6.3101	1.4393	7.1947	8.8333	147.60
Annual averages +									
2008	3.6826	31.262	9.6152	1.7416	2.6737	1.5594	10.2236	11.4541	143.83
2009	4.2399	—	10.6191	1.7727	2.7674	1.5850	9.5277	10.8114	—
2010	4.2122	—	9.5373	1.4423	2.3314	1.3651	8.9712	10.2994	—
2011	4.2391	—	9.0298	1.3484	2.3265	1.3761	8.9960	10.8362	—
2012	4.4593	—	8.7041	1.2407	2.5084	1.2842	8.1052	9.9663	—
2013	4.4190	—	8.6515	1.3777	2.8687	1.3684	8.1646	10.3016	—
2014	4.4437	—	9.0985	1.4719	3.1211	1.4661	8.1857	10.3025	—
2015	4.4454	—	9.3535	1.4777	3.7004	1.4186	6.9733	8.6014	—
2016	4.4904	—	9.4689	1.4883	3.8561	1.4659	7.3522	8.5922	—
2017	4.5688	—	9.6351	1.4732	3.6054	1.4647	7.6290	8.8045	—
2018	4.6540	—	10.2583	1.5797	4.3085	1.5294	7.8081	9.2559	127.89
2019	4.7453	—	10.5891	1.6109	4.4134	1.4855	7.7355	8.7715	137.28
2020	4.8383	—	10.4848	1.6549	5.8943	1.5300	7.8747	8.8587	154.59
2021	4.9215	—	10.1465	1.5749	6.3779	1.4826	7.6282	9.1932	150.15

* See Explanatory notes, p. 48. + Averages: Bundesbank calculations based on the daily euro foreign exchange reference rates published by the ECB. ¹ Accession to the euro

area, see p. 7 (Table I. 1.). ² The ECB did not fix euro foreign exchange reference rates for the Icelandic krona from 4 December 2008 to 31 January 2018.

II. Euro foreign exchange reference rates of the European Central Bank *

3. End-of-year rates and annual averages (cont'd)

EUR 1 = CU ...

Other European and non-European countries (cont'd)									
India	Indonesia	Israel	Japan	Korea, Republic of	Malaysia	Mexico	New Zealand	Norway	
Indian rupee INR 1	Indonesian rupiah IDR	New shekel ILS 2	Japanese yen JPY	South Korean won KRW	Malaysian ringgit MYR	Mexican peso MXN	New Zealand dollar NZD	Norwegian krone NOK	
End of year									
2008	67.4370	15,239.12	5,2919	126.14	1,839.13	4,8048	19.2333	2.4191	9.7500
2009	67.0400	13,626.13	5.4524	133.16	1,666.97	4.9326	18.9223	1.9803	8.3000
2010	59.7580	12,002.14	4.7321	108.65	1,499.06	4.0950	16.5475	1.7200	7.8000
2011	68.7130	11,731.47	4.9453	100.20	1,498.69	4.1055	18.0512	1.6737	7.7540
2012	72.5600	12,713.97	4.9258	113.61	1,406.23	4.0347	17.1845	1.6045	7.3483
2013	85.3660	16,764.78	4.7880	144.72	1,450.93	4.5221	18.0731	1.6762	8.3630
2014	76.7190	15,076.10	4.7200	145.23	1,324.80	4.2473	17.8679	1.5525	9.0420
2015	72.0215	15,039.99	4.2481	131.07	1,280.78	4.6959	18.9145	1.5923	9.6030
2016	71.5935	14,173.43	4.0477	123.40	1,269.36	4.7287	21.7719	1.5158	9.0863
2017	76.6055	16,239.12	4.1635	135.01	1,279.61	4.8536	23.6612	1.6850	9.8403
2018	79.7298	16,500.00	4.2972	125.85	1,277.93	4.7317	22.4921	1.7056	9.9483
2019	80.1870	15,595.60	3.8845	121.94	1,296.28	4.5953	21.2202	1.6653	9.8638
2020	89.6605	17,240.76	3.9447	126.49	1,336.00	4.9340	24.4160	1.6984	10.4703
2021	84.2292	16,100.42	3.5159	130.38	1,346.38	4.7184	23.1438	1.6579	9.9888
Annual averages +									
2008	63.6143	14,165.16	5.2561	152.45	1,606.09	4.8893	16.2911	2.0770	8.2237
2009	67.3611	14,443.74	5.4668	130.34	1,772.90	4.9079	18.7989	2.2121	8.7278
2010	60.5878	12,041.70	4.9457	116.24	1,531.82	4.2668	16.7373	1.8377	8.0043
2011	64.8859	12,206.51	4.9775	110.96	1,541.23	4.2558	17.2877	1.7600	7.7934
2012	68.5973	12,045.73	4.9536	102.49	1,447.69	3.9672	16.9029	1.5867	7.4751
2013	77.9300	13,857.50	4.7948	129.66	1,453.91	4.1855	16.9641	1.6206	7.8067
2014	81.0406	15,748.92	4.7449	140.31	1,398.14	4.3446	17.6550	1.5995	8.3544
2015	71.1956	14,870.39	4.3122	134.31	1,256.54	4.3373	17.6157	1.5930	8.9496
2016	74.3717	14,720.83	4.2489	120.20	1,284.18	4.5835	20.6673	1.5886	9.2906
2017	73.5324	15,118.01	4.0622	126.71	1,276.74	4.8527	21.3286	1.5897	9.3270
2018	80.7332	16,803.22	4.2423	130.40	1,299.07	4.7634	22.7054	1.7065	9.5975
2019	78.8361	15,835.27	3.9901	122.01	1,305.32	4.6374	21.5565	1.6998	9.8511
2020	84.6392	16,627.37	3.9258	121.85	1,345.58	4.7959	24.5194	1.7561	10.7228
2021	87.4392	16,920.72	3.8208	129.88	1,354.06	4.9015	23.9852	1.6724	10.1633

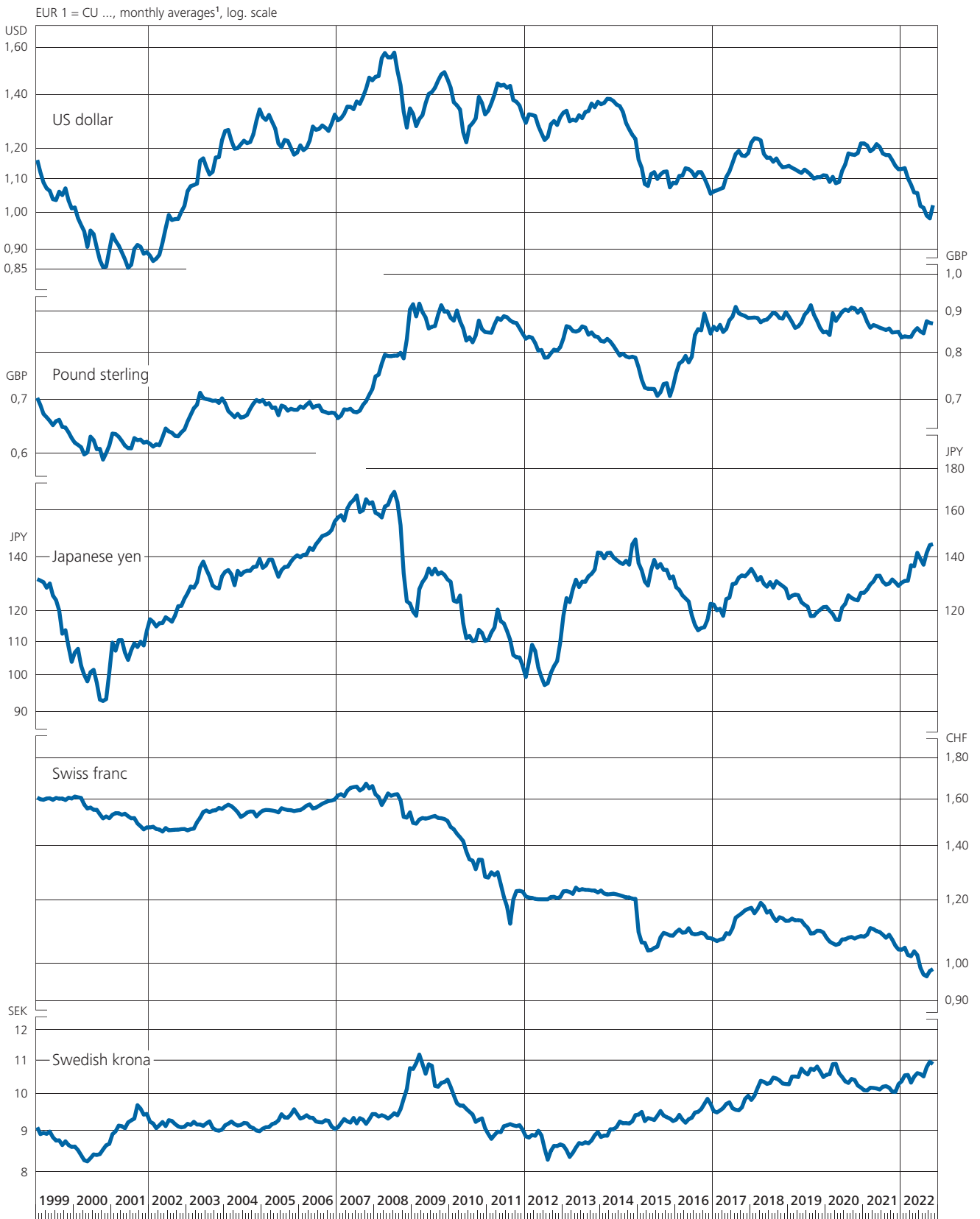
Other European and non-European countries (cont'd)									
Philippines	Russian Federation	Singapore	South Africa	Switzerland	Thailand	Turkey	United Kingdom	United States	
Philippine peso PHP	Russian rouble RUB	Singapore dollar SGD	South African rand ZAR	Swiss franc CHF	Thai baht THB	Turkish lira TRY 3	Pound sterling GBP	US dollar USD	
End of year									
2008	65.930	41.2830	2.0040	13.0667	1.4850	48.285	2.1488	0.95250	1.3917
2009	66.507	43.1540	2.0194	10.6660	1.4836	47.986	2.1547	0.88810	1.4406
2010	58.300	40.8200	1.7136	8.8625	1.2504	40.170	2.0694	0.86075	1.3362
2011	56.754	41.7650	1.6819	10.4830	1.2156	40.991	2.4432	0.83530	1.2939
2012	54.107	40.3295	1.6111	11.1727	1.2072	40.347	2.3551	0.81610	1.3194
2013	61.289	45.3246	1.7414	14.5660	1.2276	45.178	2.9605	0.83370	1.3791
2014	54.436	72.3370	1.6058	14.0353	1.2024	39.910	2.8320	0.77890	1.2141
2015	50.999	80.6736	1.5417	16.9530	1.0835	39.248	3.1765	0.73395	1.0887
2016	52.268	64.3000	1.5234	14.4570	1.0739	37.726	3.7072	0.85618	1.0541
2017	59.795	69.3920	1.6024	14.8054	1.1702	39.121	4.5464	0.88723	1.1993
2018	60.113	79.7153	1.5591	16.4594	1.1269	37.052	6.0588	0.89453	1.1450
2019	56.900	69.9563	1.5111	15.7773	1.0854	33.415	6.6843	0.85080	1.1234
2020	59.125	91.4671	1.6218	18.0219	1.0802	36.727	9.1131	0.89903	1.2271
2021	57.763	85.3004	1.5279	18.0625	1.0331	37.653	15.2335	0.84028	1.1326
Annual averages +									
2008	65.172	36.4207	2.0762	12.0590	1.5874	48.475	1.9064	0.79628	1.4708
2009	66.338	44.1376	2.0241	11.6737	1.5100	47.804	2.1631	0.89094	1.3948
2010	59.739	40.2629	1.8055	9.6984	1.3803	42.014	1.9965	0.85784	1.3257
2011	60.260	40.8846	1.7489	10.0970	1.2326	42.429	2.3378	0.86788	1.3920
2012	54.246	39.9262	1.6055	10.5511	1.2053	39.928	2.3135	0.81087	1.2848
2013	56.428	42.3370	1.6619	12.8330	1.2311	40.830	2.5335	0.84926	1.3281
2014	58.979	50.9518	1.6823	14.4037	1.2146	43.147	2.9065	0.80612	1.3285
2015	50.522	68.0720	1.5255	14.1723	1.0679	38.028	3.0255	0.72584	1.1095
2016	52.556	74.1446	1.5275	16.2645	1.0902	39.043	3.3433	0.81948	1.1069
2017	56.973	65.9383	1.5588	15.0490	1.1117	38.296	4.1206	0.87667	1.1297
2018	62.210	74.0416	1.5926	15.6186	1.1550	38.164	5.7077	0.88471	1.1810
2019	57.985	72.4553	1.5273	16.1757	1.1124	34.757	6.3578	0.87777	1.1195
2020	56.615	82.7248	1.5742	18.7655	1.0705	35.708	8.0547	0.88970	1.1422
2021	58.299	87.1527	1.5891	17.4766	1.0811	37.837	10.5124	0.85960	1.1827

* See Explanatory notes, p. 48. + Averages: Bundesbank calculations based on the daily euro foreign exchange reference rates published by the ECB. 1 Up to December 2008,

ECB indicative rates. 2 Up to December 2010, ECB indicative rates. 3 Up to end-2008, New Turkish lira.

II. Euro foreign exchange reference rates of the European Central Bank*

4. Exchange rates of major currencies

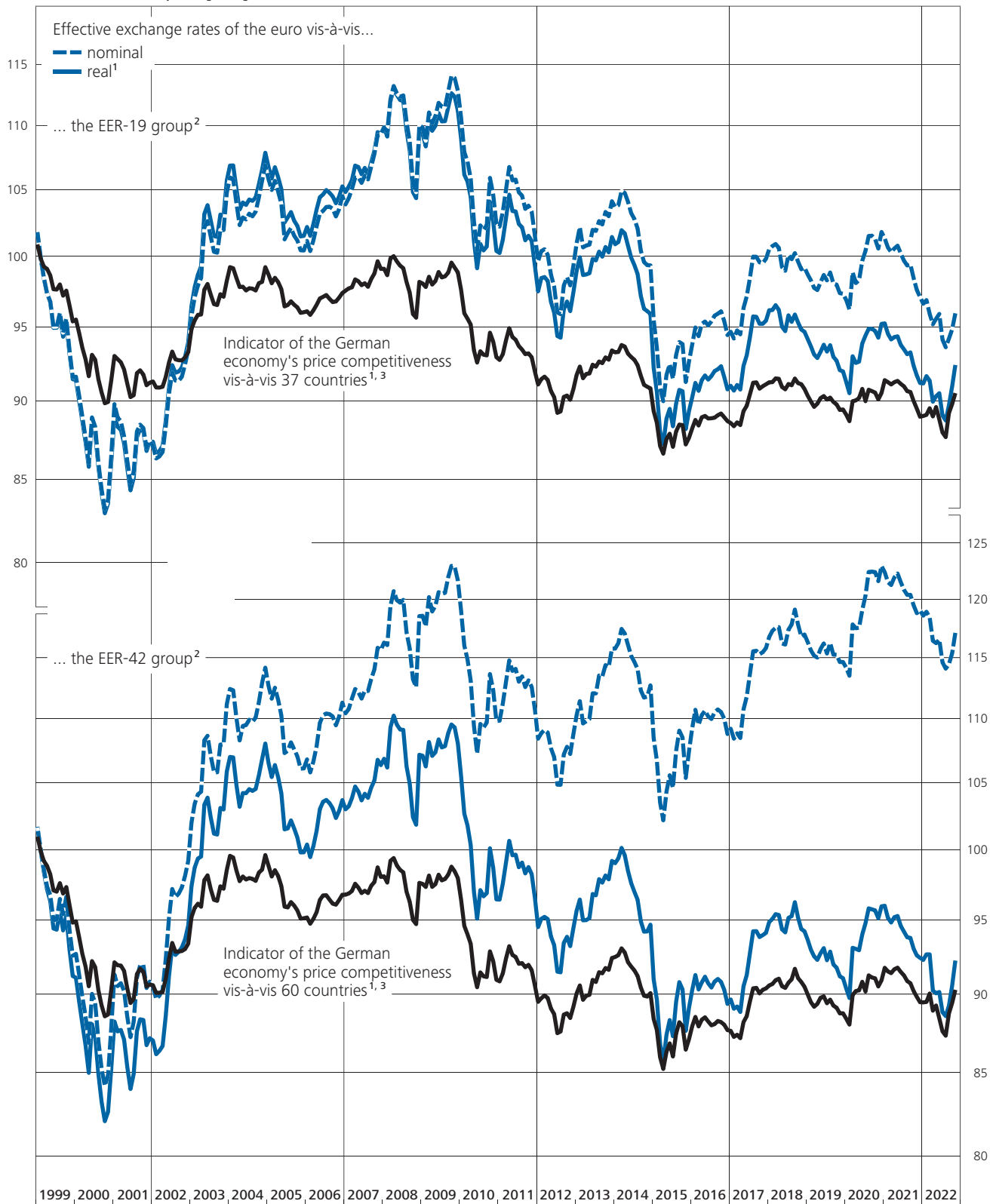


* See explanatory notes, p. 48. ¹ Bundesbank calculations based on the daily euro foreign exchange reference rates published by the ECB.

III. Effective exchange rates

1. Effective exchange rates of the euro and indicators of the German economy's price competitiveness*

Q1 1999 = 100, monthly averages, log. scale



* The weights are based on trade in manufactured goods and services. For more detailed information on methodology and definition of country groups, see Explanatory notes, pp. 48–50. A decline in the figures implies an increase in com-

petitiveness. **1** Based on consumer price indices. **2** Includes the 19 respectively 42 most important trading partners of the euro area economy. **3** Includes the 37 respectively 60 most important trading partners of the German economy.

III. Effective exchange rates

2. Effective exchange rates of the euro *

Q1 1999 = 100

Effective exchange rates of the euro vis-à-vis the currencies of the group						
EER-19 ¹				EER-42 ^{1 2}		
	Nominal	In real terms based on consumer price indices	In real terms based on the deflators of gross domestic product	In real terms based on unit labour costs of national economy	Nominal	In real terms based on consumer price indices
1999	96.2	96.2	95.9	96.2	96.6	96.0
2000	87.1	86.9	86.0	85.7	88.1	86.1
2001	87.6	87.2	86.6	84.5	90.2	86.9
2002	89.8	90.2	89.7	88.1	94.5	90.5
2003	100.4	101.4	100.7	99.1	106.4	101.5
2004	104.2	105.2	103.7	102.3	110.9	105.3
2005	102.8	103.9	101.7	100.5	109.0	102.9
2006	102.8	103.9	101.1	99.4	109.1	102.2
2007	106.3	106.9	103.3	101.1	112.7	104.5
2008	110.1	109.7	105.4	104.9	117.4	106.9
2009	111.6	110.6	106.6	108.5	120.5	108.0
2010	104.4	102.9	98.4	101.1	111.9	99.0
2011	104.2	101.9	96.6	99.3	112.7	98.5
2012	98.5	96.7	91.1	93.6	107.5	93.7
2013	102.0	99.8	94.1	96.5	112.2	96.8
2014	102.3	99.1	94.1	96.6	114.5	97.1
2015	92.5	89.5	85.5	86.1	106.1	88.6
2016	95.2	91.4	87.8	p 87.3	110.1	90.6
2017	97.4	93.4	89.0	p 88.1	112.4	91.8
2018	99.9	95.5	90.5	p 89.7	117.3	95.0
2019	98.1	93.1	88.8	p 87.1	115.4	92.3
2020	99.6	93.5	89.4	p 87.8	119.4	93.8
2021	99.6	93.4	p 88.7	p 86.0	120.8	94.2
2020 Dec.	101.8	95.2			122.9	95.9
2021 Jan.	101.3	95.2			122.4	96.0
Feb.	100.6	94.5	90.1	p 88.0	121.5	95.1
Mar.	100.3	94.1			121.2	94.8
Apr.	100.6	94.3			121.9	95.2
May	100.8	94.3	89.5	p 86.4	122.3	95.3
June	100.2	93.8			121.5	94.6
July	99.7	93.5			120.8	94.2
Aug.	99.3	93.1	p 88.6	p 85.7	120.4	93.8
Sep.	99.4	93.2			120.4	93.8
Oct.	98.4	92.3			119.5	93.0
Nov.	97.6	91.7	p 86.6	p 84.0	118.8	92.6
Dec.	97.1	91.2			119.0	92.4
2022 Jan.	96.6	91.2			118.6	p 92.3
Feb.	96.9	91.6	p 84.8	p 82.5	118.9	p 92.6
Mar.	95.9	91.3			118.4	p 92.6
Apr.	95.2	90.0			116.4	p 90.2
May	95.6	90.3	p 83.4	p 80.9	116.2	p 90.1
June	95.9	90.5			116.5	p 90.1
July	94.1	89.1			114.6	p 88.8
Aug.	93.6	88.7	...	...	114.1	p 88.6
Sep.	94.2	89.7			114.5	p 89.2
Oct.	94.8	91.0			115.4	p 90.5
Nov.	95.9	92.4	...	...	117.1	p 92.2
2022 Nov. 14	96.1	—	—	—	117.4	—
15	96.4	—	—	—	117.8	—
16	96.6	—	—	—	118.1	—
17	96.6	—	—	—	118.0	—
18	96.6	—	—	—	118.0	—
21	96.2	—	—	—	117.4	—
22	96.1	—	—	—	117.4	—
23	96.4	—	—	—	117.8	—
24	96.5	—	—	—	118.0	—
25	96.4	—	—	—	117.9	—
28	97.1	—	—	—	118.7	—
29	96.4	—	—	—	117.8	—
30	96.3	—	—	—	117.6	—
Dec. 1	96.4	—	—	—	117.9	—
2	96.5	—	—	—	118.2	—
5	96.7	—	—	—	118.6	—
6	96.7	—	—	—	118.5	—
7	96.8	—	—	—	118.6	—
8	96.7	—	—	—	118.5	—
9	96.7	—	—	—	118.6	—
12	96.8	—	—	—	118.8	—
13	96.7	—	—	—	118.6	—
14	97.0	—	—	—	119.0	—

* The weights are based on trade in manufactured goods and services. For information on methodology and grouping of countries, see Explanatory notes, pp. 48-50. A decline in the figures implies an increase in competitiveness. Where current price and wage indices were not available, estimates were used. ¹ Includes the 19 respectively 42 most important trading partners for the euro area economy. ² The ECB suspends the publication and calculation of the euro foreign exchange reference rate against Russian

rouble with effect from March 2, 2022 until further notice. For the calculation of effective exchange rates, an indicative rate is used for the Russian Federation from that date. It is calculated from the daily RUB/USD rates determined by the Bank of Russia in conjunction with the respective ECB's euro foreign exchange reference rate to the US dollar.

III. Effective exchange rates

3. Indicators of the German economy's price competitiveness *

Q1 1999 = 100

Yearly,
quarterly
or monthly
average

Based on the deflators of total sales vis-à-vis					Based on consumer price indices vis-à-vis					
26 selected industrial countries ¹				37 countries ²	26 selected industrial countries ¹				37 countries ²	60 countries ^{2 3}
Total	of which:		Total		of which:					
	Euro area countries	Non-euro area countries			Euro area countries	Non-euro area countries				
97.9	99.6	95.9	97.7	98.3	100.1	96.1	98.1	97.8		
92.0	97.5	85.5	91.2	93.1	99.0	86.1	92.3	91.2		
91.8	96.6	86.1	90.5	93.0	98.1	86.9	91.7	91.0		
92.4	95.7	88.5	91.1	93.5	96.9	89.4	92.2	91.9		
95.9	94.8	97.6	95.3	97.0	95.7	99.0	96.7	96.8		
96.2	93.6	100.0	95.6	98.5	95.4	102.8	98.2	98.4		
94.8	92.0	98.8	93.3	98.4	95.2	103.1	97.1	96.7		
93.6	90.4	98.2	91.6	98.6	94.8	104.0	96.7	96.0		
94.5	89.7	102.0	92.0	100.9	95.1	109.6	98.3	97.3		
94.9	88.4	105.1	91.3	102.4	94.5	114.6	98.4	97.5		
95.2	89.2	104.6	92.0	101.9	94.4	113.5	98.6	97.9		
92.5	88.8	98.2	88.1	98.8	94.0	105.7	94.3	92.5		
92.1	88.5	97.6	87.4	98.2	93.7	104.7	93.5	91.9		
90.1	88.3	92.5	84.7	95.9	93.2	99.5	90.5	88.9		
92.3	88.8	97.4	86.6	98.1	93.3	105.2	92.3	90.9		
92.9	89.6	97.7	87.4	98.2	93.6	104.7	92.5	91.5		
89.8	90.3	88.9	83.6	94.4	94.1	94.4	87.8	87.0		
90.7	90.7	90.4	84.9	95.0	94.1	96.1	88.8	88.1		
91.9	90.9	93.3	85.7	96.3	94.3	99.1	89.9	88.9		
93.2	91.0	96.4	86.7	97.7	94.4	102.4	91.2	90.8		
92.2	91.2	93.5	85.9	96.4	94.3	99.2	89.9	89.4		
92.4	91.5	93.5	86.4	96.4	94.2	99.5	90.1	90.2		
93.5	92.1	95.5	86.8	97.4	94.8	100.9	90.7	91.0		
				96.8	94.4	100.2	90.3	89.9		
				96.7	94.4	99.7	90.1	89.4		
92.3	91.4	93.5	86.1	96.5	94.3	99.4	90.2	89.6		
				96.2	94.4	98.4	89.9	89.2		
				96.2	94.4	98.5	89.8	89.1		
92.0	91.4	92.7	85.8	95.9	94.4	97.9	89.4	88.7		
				95.9	94.4	97.8	89.4	88.8		
				95.8	94.4	97.6	89.1	88.4		
92.0	91.8	92.3	85.8	95.5	94.5	96.6	88.7	88.0		
				96.3	94.5	98.8	90.0	89.9		
				96.1	94.7	98.0	90.0	90.2		
91.8	91.7	91.7	86.3	96.3	94.8	98.2	90.2	90.2		
				97.0	94.7	100.1	90.8	90.8		
				96.0	93.4	99.6	90.0	90.2		
92.5	91.1	94.4	86.8	97.0	94.1	101.0	90.7	91.2		
				96.8	94.0	100.9	90.7	91.1		
				96.7	93.9	100.8	90.6	91.0		
93.2	91.5	95.6	86.9	96.5	93.7	100.5	90.1	90.5		
				97.0	93.6	101.8	90.5	90.9		
				98.0	94.7	102.7	91.4	91.7		
93.4	91.8	95.8	87.1	98.0	94.9	102.2	91.2	91.5		
				97.7	94.8	101.6	91.1	91.4		
				97.9	94.9	102.1	91.2	91.6		
93.3	91.5	95.8	86.7	98.0	95.0	102.4	91.3	91.7		
				97.9	95.1	101.9	91.1	91.5		
				97.7	95.2	101.0	91.0	91.2		
93.8	92.3	95.8	87.1	97.3	95.1	100.5	90.6	90.9		
				97.3	94.9	100.5	90.6	90.7		
				96.7	94.6	99.4	90.0	90.2		
93.5	92.7	94.6	86.5	96.2	94.4	98.5	89.5	89.8		
				95.7	94.1	97.8	89.0	89.5		
				96.0	94.2	98.3	89.0	p 89.5		
92.8	92.3	93.5	85.7	96.1	94.1	98.8	89.1	p 89.5		
				96.3	94.5	98.6	89.5	p 90.0		
				96.1	94.8	97.8	89.0	p 88.9		
92.1	91.7	92.5	84.9	96.6	95.3	98.1	89.6	p 89.3		
				95.7	94.3	97.5	88.8	p 88.4		
				94.9	94.2	95.5	88.0	p 87.6		
P 91.8	92.2	P 91.1	P 84.9	94.5	94.0	94.8	87.7	P 87.3		
				96.0	95.1	97.0	89.2	P 88.7		
				96.1	94.8	97.7	89.8	P 89.4		
...	...	...	...	P 96.9	P 95.2	P 99.2	P 90.5	P 90.3		

* The weights are based on trade in manufactured goods and services. For information on methodology and grouping of countries, see Explanatory notes, pp. 48-50. A decline in the figures implies an increase in competitiveness. Where current price and wage indices were not available, estimates were used. ¹ Includes euro area countries (moving composition) as well as the 8 most important trading partners for the German

economy. ² Includes the 37 respectively 60 most important trading partners for the German economy. ³ As of March 2022, for the Russian Federation a monthly average indicative rate is used. It is calculated from the daily RUB/USD rates determined by the Bank of Russia in conjunction with the respective ECB's euro foreign exchange reference rate to the US dollar.

IV. Overview of world currencies *

1. Currencies and exchange rates in individual countries

Country ¹ Capital	Currency ISO currency code	Type of rate	Unit	Annual average 2021	Rate at end of month		
					September 2022	October 2022	November 2022
Afghanistan							
Kabul	Afghani = 100 puls	B	USD 1 =	AFN 84.6650	AFN 88.1761	AFN 88.3013	AFN 88.3522
		S	USD 1 =	AFN 84.7650	AFN 88.2761	AFN 88.4013	AFN 88.4522
	AFN	B	EUR 1 =	AFN 98.5505	AFN 85.1095	AFN 86.6791	AFN 90.7277
		S	EUR 1 =	AFN 98.8105	AFN 85.3695	AFN 86.9391	AFN 90.9877
Albania							
Tirana	Albanian lek = 100 qindarka	M	USD 1 =	ALL 103.55	ALL 118.85	ALL 118.76	ALL 112.72
	ALL	M	EUR 1 =	ALL 122.44	ALL 116.60	ALL 118.07	ALL 116.86
Algeria							
Algiers	Algerian dinar = 100 centimes	B	USD 1 =	DZD 135.0950	DZD 140.7356	DZD 140.3298	DZD 138.5464
		S	USD 1 =	DZD 135.1100	DZD 140.7506	DZD 140.3448	DZD 138.5614
	DZD	B	EUR 1 =	DZD 159.7263	DZD 137.4002	DZD 138.7721	DZD 143.4925
		S	EUR 1 =	DZD 159.7809	DZD 137.4711	DZD 138.8431	DZD 143.5635
Angola							
Luanda	Kwanza = 100 cêntimos	M	USD 1 =	AOA 618.5901	AOA 433.4060	AOA 484.8175	AOA 506.7780
	AOA	M	EUR 1 =	AOA 731.6493	AOA 423.4155	AOA 481.2795	AOA 525.5290
Antigua und Barbuda							
St John's	East Caribbean dollar = 100 cents	2 B	USD 1 =	XCD 2.6882	XCD 2.6882	XCD 2.6882	XCD 2.6882
		2 S	USD 1 =	XCD 2.7169	XCD 2.7169	XCD 2.7169	XCD 2.7169
	XCD	V, B	EUR 1 =	XCD 3.1793	XCD 2.6205	XCD 2.6651	XCD 2.7893
		V, S	EUR 1 =	XCD 3.2133	XCD 2.6484	XCD 2.6935	XCD 2.8191
Argentina ¹							
Buenos Aires	Argentine peso = 100 centavos	B	USD 1 =	ARS 94.9607	ARS 147.1200	ARS 156.7100	ARS 167.0800
		S	USD 1 =	ARS 95.1607	ARS 147.3200	ARS 156.9100	ARS 167.2800
	ARS	B	EUR 1 =	ARS 112.1389	ARS 143.9569	ARS 154.7511	ARS 172.1592
		S	EUR 1 =	ARS 112.6132	ARS 144.5209	ARS 155.3409	ARS 172.7835
Armenia							
Yerevan	Armenian dram = 100 luma	M	USD 1 =	AMD 502.79	AMD 405.65	AMD 395.40	AMD 394.87
	AMD	M	EUR 1 =	AMD 595.28	AMD 396.08	AMD 392.83	AMD 408.89
Aruba							
Oranjestad	Aruban florin = 100 cents	2 B	USD 1 =	AWG 1.78	AWG 1.78	AWG 1.78	AWG 1.78
		2 S	USD 1 =	AWG 1.80	AWG 1.80	AWG 1.80	AWG 1.80
	AWG	B	EUR 100 =	AWG 210.44	AWG 173.89	AWG 176.92	AWG 184.47
		S	EUR 100 =	AWG 212.56	AWG 175.64	AWG 178.70	AWG 186.33

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 50. ¹ See Explanatory notes on individual countries, pp. 53 ff. ² Value against the US dollar.

IV. Overview of world currencies *

1. Currencies and exchange rates in individual countries (cont'd)

Country ¹ Capital	Currency ISO currency code	Type of rate	Unit	Annual average 2021	Rate at end of month		
					September 2022	October 2022	November 2022
Australia							
Canberra	Australian dollar = 100 cents	M	AUD 1 =	USD 0.7514	USD 0.6502	USD 0.6420	USD 0.6698
		M	AUD 1 =	EUR 0.6346	EUR 0.6618	EUR 0.6446	EUR 0.6468
	AUD						
Austria							
Vienna	Euro = 100 cent	M	EUR 1 =	USD 1.1827	USD 0.9748	USD 0.9914	USD 1.0376
	EUR						
Azerbaijan							
Baku	Azerbaijan manat = 100 qapik	M	USD 1 =	AZN 1.7000	AZN 1.7000	AZN 1.7000	AZN 1.7000
		M	EUR 1 =	AZN 2.0116	AZN 1.6671	AZN 1.6930	AZN 1.7602
	AZN						
Bahamas							
Nassau	Bahamian dollar = 100 cents	2 B	USD 1 =	BSD 0.9950	BSD 0.9950	BSD 0.9950	BSD 0.9950
		2 S	USD 1 =	BSD 1.0125	BSD 1.0125	BSD 1.0125	BSD 1.0125
		V, B	EUR 1 =	BSD 1.17679	BSD 0.96993	BSD 0.98644	BSD 1.03241
	BSD	V, S	EUR 1 =	BSD 1.19748	BSD 0.98699	BSD 1.00379	BSD 1.05057
Bahrain							
Manama	Bahraini dinar = 1,000 fils	2 M	USD 1 =	BHD 0.376081	BHD 0.376081	BHD 0.376081	BHD 0.376081
		M	EUR 1 =	BHD 0.4436253	BHD 0.3651180	BHD 0.3745580	BHD 0.3889620
	BHD						
Bangladesh ¹							
Dhaka	Taka = 100 poisha	B	USD 1 =	BDT 85.1309	BDT 99.0000	BDT 99.5000	BDT 100.0000
		S	USD 1 =	BDT 85.1410	BDT 102.0000	BDT 103.4300	BDT 105.7300
		B	EUR 1 =	BDT 100.4158	BDT 94.8915	BDT 98.0374	BDT 103.0300
	BDT	S	EUR 1 =	BDT 100.4638	BDT 99.8478	BDT 104.0196	BDT 111.6192
Barbados							
Bridgetown	Barbados dollar = 100 cents	2 B	USD 1 =	BBD 1.99375	BBD 1.99375	BBD 1.99375	BBD 1.99375
		2 S	USD 1 =	BBD 2.02768	BBD 2.02768	BBD 2.02768	BBD 2.02768
		B	EUR 1 =	BBD 2.35384	BBD 1.94873	BBD 1.98079	BBD 2.06302
	BBD	S	EUR 1 =	BBD 2.39797	BBD 1.98526	BBD 2.01792	BBD 2.10170
Belarus							
Minsk	Belarusian rouble = 100 kopecks	M	USD 1 =	BYN 2.5377	BYN 2.4803	BYN 2.4732	BYN 2.4349
		M	EUR 1 =	BYN 3.0020	BYN 2.3956	BYN 2.4560	BYN 2.5083
	BYN						

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 50. ¹ See Explanatory notes on individual countries, pp. 53 ff. ² Value against the US dollar.

IV. Overview of world currencies *

1. Currencies and exchange rates in individual countries (cont'd)

Country ¹ Capital	Currency ISO currency code	Type of rate	Unit	Annual average 2021	Rate at end of month		
					September 2022	October 2022	November 2022
Belgium							
Brussels	Euro = 100 cent	M	EUR 1 =	USD 1.1827	USD 0.9748	USD 0.9914	USD 1.0376
	EUR						
Belize							
Belmopan	Belize dollar = 100 cents	² B	USD 1 =	BZD 1.9825	BZD 1.9825	BZD 1.9825	BZD 1.9825
		² S	USD 1 =	BZD 2.0175	BZD 2.0175	BZD 2.0175	BZD 2.0175
	BZD	B	EUR 1 =	BZD 2.3422	BZD 1.9373	BZD 1.9611	BZD 2.0594
		S	EUR 1 =	BZD 2.3835	BZD 1.9715	BZD 1.9957	BZD 2.0958
Benin ¹							
Porto-Novo Seat of government: Cotonou	CFA franc	B S	USD 1 =	XOF 551.75	XOF 664.50	XOF 656.25	XOF 630.00
	USD 1 =		XOF 558.75	XOF 671.50	XOF 663.25	XOF 637.00	
	XOF	³	EUR 1 =	XOF 655.957	XOF 655.957	XOF 655.957	XOF 655.957
Bermuda							
Hamilton	Bermudian dollar = 100 cents	² B	USD 1 =	BMD 0.9960	BMD 0.9960	BMD 0.9960	BMD 0.9960
		² S	USD 1 =	BMD 1.0043	BMD 1.0043	BMD 1.0043	BMD 1.0043
	BMD	V, B	EUR 1 =	BMD 1.1780	BMD 0.9709	BMD 0.9874	BMD 1.0334
		V, S	EUR 1 =	BMD 1.1878	BMD 0.9790	BMD 0.9957	BMD 1.0421
Bhutan ¹							
Thimphu	Ngultrum = 100 chhetrum	B S	USD 1 =	BTN 72.7250	BTN 80.65	BTN 81.25	BTN 80.50
			USD 1 =	BTN 74.9833	BTN 83.15	BTN 83.80	BTN 83.00
	BTN	B S	EUR 1 =	BTN 85.8208	BTN 78.05	BTN 80.80	BTN 83.40
			EUR 1 =	BTN 88.2042	BTN 80.20	BTN 83.10	BTN 85.65
Bolivia, Plurinational State of							
Sucre Seat of government: La Paz	Boliviano = 100 centavos	B S	USD 1 =	BOB 6.86	BOB 6.86	BOB 6.86	BOB 6.86
			USD 1 =	BOB 6.96	BOB 6.96	BOB 6.96	BOB 6.96
	BOB	V, B	EUR 1 =	BOB 8.1115	BOB 6.6871	BOB 6.8010	BOB 7.1179
		V, S	EUR 1 =	BOB 8.2297	BOB 6.7846	BOB 6.9001	BOB 7.2217
Bosnia and Herzegovina							
Sarajevo	Convertible marka = 100 feninga	B S	USD 1 =	BAM 1.652476	BAM 2.010035	BAM 1.960547	BAM 1.882057
			USD 1 =	BAM 1.660759	BAM 2.020111	BAM 1.970375	BAM 1.891491
	BAM	³	EUR 1 =	BAM 1.95583	BAM 1.95583	BAM 1.95583	BAM 1.95583
Botswana							
Gaborone	Pula = 100 thebe	B S	BWP 1 =	USD 0.0899	USD 0.0750	USD 0.0744	USD 0.0780
			BWP 1 =	USD 0.0897	USD 0.0748	USD 0.0742	USD 0.0778
	BWP	B S	BWP 1 =	EUR 0.0761	EUR 0.0774	EUR 0.0751	EUR 0.0752
			BWP 1 =	EUR 0.0759	EUR 0.0772	EUR 0.0749	EUR 0.0750

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 50. ¹ See Explanatory notes on individual countries, pp. 53 ff. ² Value against the US dollar. ³ Value against the euro.

IV. Overview of world currencies *

1. Currencies and exchange rates in individual countries (cont'd)

Country ¹ Capital	Currency ISO currency code	Type of rate	Unit	Annual average 2021	Rate at end of month		
					September 2022	October 2022	November 2022
Brazil							
Brasília	Brazilian real = 100 centavos	B	USD 1 =	BRL 5.3949	BRL 5.4060	BRL 5.2564	BRL 5.2935
		S	USD 1 =	BRL 5.3956	BRL 5.4066	BRL 5.2570	BRL 5.2941
	BRL	B	EUR 1 =	BRL 6.3727	BRL 5.2887	BRL 5.1949	BRL 5.4507
		S	EUR 1 =	BRL 6.3752	BRL 5.2904	BRL 5.1976	BRL 5.4529
Brunei Darussalam ¹							
Bandar Seri Begawan	Brunei dollar = 100 cents	B	USD 1 =	BND 1.3349	BND 1.4244	BND 1.4041	BND 1.3661
		S	USD 1 =	BND 1.3524	BND 1.4414	BND 1.4215	BND 1.3834
	BND	B	EUR 1 =	BND 1.5607	BND 1.3825	BND 1.3805	BND 1.3955
		S	EUR 1 =	BND 1.6152	BND 1.4365	BND 1.4349	BND 1.4499
Bulgaria							
Sofia	Bulgarian lev = 100 stotinkas	M	USD 1 =	BGN 1.65458	BGN 2.00639	BGN 1.97280	BGN 1.88496
		2	EUR 1 =	BGN 1.95583	BGN 1.95583	BGN 1.95583	BGN 1.95583
	BGN						
Burkina Faso ¹							
Ouagadougou	CFA franc	B	USD 1 =	XOF 551.75	XOF 664.50	XOF 656.25	XOF 630.00
		S	USD 1 =	XOF 558.75	XOF 671.50	XOF 663.25	XOF 637.00
	XOF	2	EUR 1 =	XOF 655.957	XOF 655.957	XOF 655.957	XOF 655.957
Burundi							
Gitega	Burundi franc = 100 centimes	B	USD 1 =	BIF 1,958.5533	BIF 2,028.2130	BIF 2,032.5987	BIF 2,041.7146
		S	USD 1 =	BIF 1,998.1200	BIF 2,069.1870	BIF 2,073.6613	BIF 2,074.6454
	BIF	B	EUR 1 =	BIF 2,313.7970	BIF 1,996.9725	BIF 2,023.0455	BIF 2,114.3996
		S	EUR 1 =	BIF 2,360.5404	BIF 2,037.3153	BIF 2,063.9151	BIF 2,148.5028
Cabo Verde							
Praia	Cabo Verde escudo = 100 centavos	B	USD 1 =	CVE 93.355	CVE 113.504	CVE 110.707	CVE 106.271
		S	USD 1 =	CVE 93.557	CVE 113.706	CVE 110.909	CVE 106.473
	CVE	2	EUR 1 =	CVE 110.265	CVE 110.265	CVE 110.265	CVE 110.265
Cambodia							
Phnom Penh	Riel = 100 sen	M	USD 1 =	KHR 4,068	KHR 4,119	KHR 4,141	KHR 4,122
		B	EUR 1 =	KHR 4,804	KHR 4,049	KHR 4,124	KHR 4,254
	KHR	S	EUR 1 =	KHR 4,852	KHR 4,090	KHR 4,165	KHR 4,297
Cameroon ¹							
Yaoundé	CFA franc	B	USD 1 =	XAF 552.0688	XAF 664.2631	XAF 641.9262	XAF 621.8279
		S	USD 1 =	XAF 556.8834	XAF 685.8605	XAF 654.4714	XAF 628.2812
	XAF	2	EUR 1 =	XAF 655.957	XAF 655.957	XAF 655.957	XAF 655.957
Canada							
Ottawa	Canadian dollar = 100 cents	M	USD 1 =	CAD 1.2535	CAD 1.3707	CAD 1.3649	CAD 1.3508
		M	EUR 1 =	CAD 1.4798	CAD 1.3383	CAD 1.3502	CAD 1.3992
	CAD						

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 50. ¹ See Explanatory notes on individual countries, pp. 53 ff. ² Value against the euro.

IV. Overview of world currencies *

1. Currencies and exchange rates in individual countries (cont'd)

Country ¹ Capital	Currency ISO currency code	Type of rate	Unit	Annual average 2021	Rate at end of month		
					September 2022	October 2022	November 2022
Cayman Islands							
George Town	Cayman Islands dollar = 100 cents	2	KYD 1 =	USD 1.20	USD 1.20	USD 1.20	USD 1.20
		V	EUR 1 =	KYD 0.9856	KYD 0.8123	KYD 0.8262	KYD 0.8647
	KYD						
Central African Republic ¹							
Bangui	CFA franc	B	USD 1 =	XAF 552.0688	XAF 664.2631	XAF 641.9262	XAF 621.8279
		S	USD 1 =	XAF 556.8834	XAF 685.8605	XAF 654.4714	XAF 628.2812
	XAF	3	EUR 1 =	XAF 655.957	XAF 655.957	XAF 655.957	XAF 655.957
Chad ¹							
N'Djaména	CFA franc	B	USD 1 =	XAF 552.0688	XAF 664.2631	XAF 641.9262	XAF 621.8279
		S	USD 1 =	XAF 556.8834	XAF 685.8605	XAF 654.4714	XAF 628.2812
	XAF	3	EUR 1 =	XAF 655.957	XAF 655.957	XAF 655.957	XAF 655.957
Chile							
Santiago	Chilean peso = 100 centavos	M	USD 1 =	CLP 759.27	CLP 966.00	CLP 945.31	CLP 905.70
		M	EUR 1 =	CLP 897.37	CLP 945.21	CLP 943.61	CLP 936.12
	CLP						
China							
Beijing	Chinese renminbi ⁴ 1 yuan (renminbi) = 10 jiao = 100 fen CNY	M	USD 1 =	CNY 6.4515	CNY 7.0998	CNY 7.1768	CNY 7.1769
		M	EUR 1 =	CNY 7.6186	CNY 6.9892	CNY 7.1703	CNY 7.4129
		M	HKD 1 =	CNY 0.82956	CNY 0.90444	CNY 0.91431	CNY 0.91869
China (Taiwan)							
Taipei	New Taiwan dollar = 100 cents TWD	B	USD 1 =	TWD 27.948	TWD 31.700	TWD 32.165	TWD 30.840
		S	USD 1 =	TWD 28.048	TWD 31.800	TWD 32.265	TWD 30.940
		B	EUR 1 =	TWD 32.91	TWD 31.06	TWD 31.80	TWD 31.79
		S	EUR 1 =	TWD 33.31	TWD 31.46	TWD 32.20	TWD 32.19
Colombia							
Bogotá	Colombian peso = 100 centavos	M	USD 1 =	COP 3,745.89	COP 4,532.07	COP 4,819.42	COP 4,809.51
		V, M	EUR 1 =	COP 4,427.750	COP 4,417.862	COP 4,777.973	COP 4,990.348
	COP						
Comoros							
Moroni	Comorian franc = 100 centimes	V	USD 1 =	KMF 554.47610	KMF 504.68583	KMF 496.23537	KMF 474.14008
		3	EUR 1 =	KMF 491.96775	KMF 491.96775	KMF 491.96775	KMF 491.96775
	KMF						
Congo ¹							
Brazzaville	CFA franc	B	USD 1 =	XAF 552.0688	XAF 664.2631	XAF 641.9262	XAF 621.8279
		S	USD 1 =	XAF 556.8834	XAF 685.8605	XAF 654.4714	XAF 628.2812
	XAF	3	EUR 1 =	XAF 655.957	XAF 655.957	XAF 655.957	XAF 655.957

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 50. ¹ See Explanatory notes on individual countries, pp. 53 ff. ² Value against

the US dollar. ³ Value against the euro. ⁴ Currency amounts are denoted using the designation yuan (renminbi).

IV. Overview of world currencies *

1. Currencies and exchange rates in individual countries (cont'd)

Country ¹ Capital	Currency ISO currency code	Type of rate	Unit	Annual average 2021	Rate at end of month		
					September 2022	October 2022	November 2022
Congo, Democratic Republic of the							
Kinshasa	Congo franc = 100 centimes	B S	USD 1 = USD 1 =	CDF 1,949.9472 CDF 2,029.5369	CDF 1,972.1392 CDF 2,052.6347	CDF 1,972.4994 CDF 2,053.0096	CDF 1,973.7085 CDF 2,054.2680
	CDF	B S	EUR 1 = EUR 1 =	CDF 2,291.5890 CDF 2,385.1233	CDF 1,909.1936 CDF 1,987.1199	CDF 1,966.6744 CDF 2,046.9468	CDF 2,049.8677 CDF 2,133.5358
Cook Islands ¹							
Avarua	Cook Islands dollar ² = 100 cents	B S	NZD 1 = NZD 1 =	EUR 0.6094 EUR 0.5865	EUR 0.5944 EUR 0.5719	EUR 0.5956 EUR 0.5731	EUR 0.6118 EUR 0.5887
	NZD						
Costa Rica							
San José	Costa Rican colón = 100 céntimos	B S	USD 1 = USD 1 =	CRC 619.28 CRC 625.65	CRC 624.62 CRC 632.72	CRC 613.74 CRC 622.34	CRC 594.32 CRC 602.86
	CRC	V, B V, S	EUR 1 = EUR 1 =	CRC 731.5009 CRC 739.0335	CRC 608.8796 CRC 616.7755	CRC 608.4618 CRC 616.9879	CRC 616.6664 CRC 625.5275
Côte d'Ivoire ¹							
Yamoussoukro Seat of government: Abidjan	CFA franc	B S	USD 1 = USD 1 =	XOF 551.75 XOF 558.75	XOF 664.50 XOF 671.50	XOF 656.25 XOF 663.25	XOF 630.00 XOF 637.00
	XOF	3	EUR 1 =	XOF 655.957	XOF 655.957	XOF 655.957	XOF 655.957
Croatia							
Zagreb	Kuna = 100 lipa	B S	USD 1 = USD 1 =	HRK 6.346188 HRK 6.384379	HRK 7.744748 HRK 7.791356	HRK 7.543334 HRK 7.588730	HRK 7.250354 HRK 7.293988
	HRK	B S	EUR 1 = EUR 1 =	HRK 7.501896 HRK 7.547043	HRK 7.504660 HRK 7.549824	HRK 7.507126 HRK 7.552304	HRK 7.526593 HRK 7.571889
Cuba ¹							
Havana	Cuban peso = 100 centavos	4 5 M	USD 1 =	CUP 24.00	CUP 24.00	CUP 24.00	CUP 24.00
		5 M	EUR 1 =	CUP 28.3690	CUP 23.1000	CUP 23.7264	CUP 24.7224
		6 M	USD 1 =	CUP .	CUP 120.00	CUP 120.00	CUP 120.00
	CUP	6 M	EUR 1 =	CUP .	CUP 115.5000	CUP 118.6320	CUP 123.6120
Curaçao							
Willemstad	Netherlands Antillean guilder = 100 cents	4 B 4 S	USD 1 = USD 1 =	ANG 1.78 ANG 1.82	ANG 1.78 ANG 1.82	ANG 1.78 ANG 1.82	ANG 1.78 ANG 1.82
		B S	EUR 100 = EUR 100 =	ANG 210.45 ANG 214.69	ANG 173.90 ANG 177.41	ANG 176.93 ANG 180.49	ANG 184.48 ANG 188.20
	ANG						
Cyprus							
Nicosia	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1827	USD 0.9748	USD 0.9914	USD 1.0376
Czechia							
Prague	Czech koruna = 100 heller	M	USD 1 =	CZK 21.682	CZK 25.181	CZK 24.697	CZK 23.434
		M	EUR 1 =	CZK 25.648	CZK 24.550	CZK 24.485	CZK 24.340
	CZK						

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 50. ¹ See Explanatory notes on individual countries, pp. 53 ff. ² Parity in relation to the New Zealand dollar. ³ Value against the euro. ⁴ Value against the US

dollar. ⁵ Rate for governmental transactions. ⁶ Rate for non-governmental transactions.

IV. Overview of world currencies *

1. Currencies and exchange rates in individual countries (cont'd)

Country ¹ Capital	Currency ISO currency code	Type of rate	Unit	Annual average 2021	Rate at end of month		
					September 2022	October 2022	November 2022
Denmark							
Copenhagen	Danish krone = 100 øre DKK	M	USD 100 =	DKK 629.18	DKK 762.87	DKK 750.90	DKK 716.71
		M	EUR 100 =	DKK 743.68	DKK 743.65	DKK 744.44	DKK 743.66
Djibouti							
Djibouti	Djibouti franc = 100 centimes	2 B	USD 1 =	DJF 176.832	DJF 176.832	DJF 176.832	DJF 176.832
		2 S	USD 1 =	DJF 179.498	DJF 179.498	DJF 179.498	DJF 179.498
	DJF	B	EUR 1 =	DJF 206.82	DJF 169.88	DJF 174.76	DJF 181.72
		S	EUR 1 =	DJF 215.43	DJF 176.51	DJF 181.58	DJF 188.81
Dominica							
Roseau	East Caribbean dollar = 100 cents	2 B	USD 1 =	XCD 2.6882	XCD 2.6882	XCD 2.6882	XCD 2.6882
		2 S	USD 1 =	XCD 2.7169	XCD 2.7169	XCD 2.7169	XCD 2.7169
	XCD	V, B	EUR 1 =	XCD 3.1793	XCD 2.6205	XCD 2.6651	XCD 2.7893
		V, S	EUR 1 =	XCD 3.2133	XCD 2.6484	XCD 2.6935	XCD 2.8191
Dominican Republic							
Santo Domingo	Dominican peso = 100 centavos	B	USD 1 =	DOP 56.4066	DOP 52.7250	DOP 53.2031	DOP 53.7742
		S	USD 1 =	DOP 57.5248	DOP 54.1823	DOP 54.4538	DOP 54.8865
	DOP	B	EUR 1 =	DOP 65.9005	DOP 50.6335	DOP 52.1188	DOP 55.1140
		S	EUR 1 =	DOP 69.5595	DOP 54.3630	DOP 55.6526	DOP 58.5030
Egypt ¹							
Cairo	Egyptian pound = 100 piastres = 1,000 milliems	B	USD 1 =	EGP 15.63	EGP 19.51	EGP 23.90	EGP 24.50
		S	USD 1 =	EGP 15.73	EGP 19.57	EGP 24.00	EGP 24.55
	EGP	B	EUR 1 =	EGP 18.4380	EGP 18.9949	EGP 23.5965	EGP 25.2130
		S	EUR 1 =	EGP 18.6426	EGP 19.2823	EGP 23.9160	EGP 25.5271
El Salvador ¹							
San Salvador	El Salvador colón = 100 centavos SVC	2	USD 1 =	SVC 8.75	SVC 8.75	SVC 8.75	SVC 8.75
		V, B / S	EUR 1 =	SVC 10.3486	SVC 8.5295	SVC 8.6748	SVC 9.0790
Equatorial Guinea ¹							
Malabo	CFA franc	B	USD 1 =	XAF 552.0688	XAF 664.2631	XAF 641.9262	XAF 621.8279
		S	USD 1 =	XAF 556.8834	XAF 685.8605	XAF 654.4714	XAF 628.2812
	XAF	3	EUR 1 =	XAF 655.957	XAF 655.957	XAF 655.957	XAF 655.957
Eritrea							
Asmara	Nakfa = 100 cents	2 B	USD 1 =	ERN 15.00	ERN 15.00	ERN 15.00	ERN 15.00
		2 S	USD 1 =	ERN 15.15	ERN 15.15	ERN 15.15	ERN 15.15
	ERN	B	EUR 1 =	ERN 17.7440	ERN 14.5710	ERN 15.0540	ERN 15.7095
		S	EUR 1 =	ERN 18.3802	ERN 15.2072	ERN 15.6902	ERN 16.3457
Estonia							
Tallinn	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1827	USD 0.9748	USD 0.9914	USD 1.0376

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 50. ¹ See Explanatory notes on individual countries, pp. 53 ff. ² Value against the US dollar. ³ Value against the euro.

IV. Overview of world currencies *

1. Currencies and exchange rates in individual countries (cont'd)

Country ¹ Capital	Currency ISO currency code	Type of rate	Unit	Annual average 2021	Rate at end of month		
					September 2022	October 2022	November 2022
Eswatini ¹							
Mbabane	Lilangeni = 100 cents	B	USD 1 =	SZL 14.9300	SZL 17.9084	SZL 18.2375	SZL 16.9119
		S	USD 1 =	SZL 14.9386	SZL 17.9156	SZL 18.2468	SZL 16.9194
	SZL	B	EUR 1 =	SZL 17.6211	SZL 17.5626	SZL 18.1479	SZL 17.5570
		S	EUR 1 =	SZL 17.6331	SZL 17.5728	SZL 18.1646	SZL 17.5653
Ethiopia							
Addis Ababa	Birr = 100 cents	B	USD 1 =	ETB 44.1351	ETB 52.5893	ETB 52.8777	ETB 53.0339
		S	USD 1 =	ETB 45.0178	ETB 53.6411	ETB 53.9353	ETB 54.0946
	ETB	B	EUR 1 =	ETB 52.0705	ETB 50.9433	ETB 52.5922	ETB 55.0121
		S	EUR 1 =	ETB 53.1119	ETB 51.9622	ETB 53.6440	ETB 56.1123
Falkland Islands (Islas Malvinas)							
Stanley	Falkland Islands pound ² = 100 pence	V	USD 1 =	FKP 0.72681	FKP 0.90583	FKP 0.86862	FKP 0.83354
		V	EUR 1 =	FKP 0.85960	FKP 0.88300	FKP 0.86115	FKP 0.86488
	FKP						
Fiji							
Suva	Fiji dollar = 100 cents	B	FJD 1 =	USD 0.4911	USD 0.4409	USD 0.4402	USD 0.4525
		S	FJD 1 =	USD 0.4741	USD 0.4239	USD 0.4232	USD 0.4355
	FJD	B	FJD 1 =	EUR 0.4137	EUR 0.4463	EUR 0.4395	EUR 0.4349
		S	FJD 1 =	EUR 0.4017	EUR 0.4343	EUR 0.4275	EUR 0.4229
Finland							
Helsinki	Euro = 100 cent	M	EUR 1 =	USD 1.1827	USD 0.9748	USD 0.9914	USD 1.0376
	EUR						
France							
Paris	Euro = 100 cent	M	EUR 1 =	USD 1.1827	USD 0.9748	USD 0.9914	USD 1.0376
	EUR						
Gabon ¹							
Libreville	CFA franc	B	USD 1 =	XAF 552.0688	XAF 664.2631	XAF 641.9262	XAF 621.8279
		S	USD 1 =	XAF 556.8834	XAF 685.8605	XAF 654.4714	XAF 628.2812
	XAF	3	EUR 1 =	XAF 655.957	XAF 655.957	XAF 655.957	XAF 655.957
Gambia							
Banjul	Dalasi = 100 bututs	M	USD 1 =	GMD 51.51	GMD 55.12	GMD 58.45	GMD 60.57
		M	EUR 1 =	GMD 60.85	GMD 57.92	GMD 59.14	GMD 62.50
Georgia							
Tbilisi	Lari = 100 tetri	M	USD 1 =	GEL 3.2239	GEL 2.8352	GEL 2.7758	GEL 2.7153
		M	EUR 1 =	GEL 3.8152	GEL 2.7482	GEL 2.7591	GEL 2.8196
GEL							

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 50. ¹ See Explanatory notes on individual countries, pp. 53 ff. ² Parity in relation to the pound sterling. ³ Value against the euro.

IV. Overview of world currencies *

1. Currencies and exchange rates in individual countries (cont'd)

Country ¹ Capital	Currency ISO currency code	Type of rate	Unit	Annual average 2021	Rate at end of month		
					September 2022	October 2022	November 2022
Germany							
Berlin	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1827	USD 0.9748	USD 0.9914	USD 1.0376
Ghana							
Accra	Ghana cedi = 100 Ghana pesewas GHS	B S B S	USD 1 = USD 1 = EUR 1 = EUR 1 =	GHS 5.8147 GHS 5.8206 GHS 6.8619 GHS 6.8688	GHS 9.6000 GHS 9.6096 GHS 9.4100 GHS 9.4194	GHS 13.0021 GHS 13.0151 GHS 12.8545 GHS 12.8674	GHS 13.0978 GHS 13.1110 GHS 13.5751 GHS 13.5875
Gibraltar							
Gibraltar	Gibraltar pound ² = 100 pence GIP	V V	USD 1 = EUR 1 =	GIP 0.72681 GIP 0.85960	GIP 0.90583 GIP 0.88300	GIP 0.86862 GIP 0.86115	GIP 0.83354 GIP 0.86488
Greece							
Athens	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1827	USD 0.9748	USD 0.9914	USD 1.0376
Grenada							
St George's	East Caribbean dollar = 100 cents XCD	³ B ³ S V, B V, S	USD 1 = USD 1 = EUR 1 = EUR 1 =	XCD 2.6882 XCD 2.7169 XCD 3.1793 XCD 3.2133	XCD 2.6882 XCD 2.7169 XCD 2.6205 XCD 2.6484	XCD 2.6882 XCD 2.7169 XCD 2.6651 XCD 2.6935	XCD 2.6882 XCD 2.7169 XCD 2.7893 XCD 2.8191
Guatemala							
Guatemala City	Quetzal = 100 centavos GTQ	M V, M	USD 1 = EUR 1 =	GTQ 7.73242 GTQ 9.13640	GTQ 7.88368 GTQ 7.68501	GTQ 7.82857 GTQ 7.76124	GTQ 7.84134 GTQ 8.13617
Guinea							
Conakry	Guinean franc GNF	M M	USD 1 = EUR 1 =	GNF 9,723.6035 GNF 11,495.2927	GNF 8,603.1823 GNF 8,350.2476	GNF 8,550.1532 GNF 8,508.2573	GNF 8,565.4413 GNF 8,878.9412
Guinea-Bissau ¹							
Bissau	CFA franc XOF	B S 4	USD 1 = USD 1 = EUR 1 =	XOF 551.75 XOF 558.75 XOF 655.957	XOF 664.50 XOF 671.50 XOF 655.957	XOF 656.25 XOF 663.25 XOF 655.957	XOF 630.00 XOF 637.00 XOF 655.957
Guyana							
Georgetown	Guyana dollar = 100 cents GYD	B S B S	USD 1 = USD 1 = EUR 1 = EUR 1 =	GYD 207.98 GYD 210.45 GYD 245.64 GYD 248.77	GYD 207.98 GYD 210.45 GYD 202.95 GYD 205.57	GYD 207.98 GYD 210.45 GYD 206.38 GYD 209.04	GYD 207.98 GYD 210.45 GYD 215.21 GYD 217.97

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 50. ¹ See Explanatory notes on individual countries, pp. 53 ff. ² Parity in relation to the pound sterling. ³ Value against the US dollar. ⁴ Value against the euro.

IV. Overview of world currencies *

1. Currencies and exchange rates in individual countries (cont'd)

Country ¹ Capital	Currency ISO currency code	Type of rate	Unit	Annual average 2021	Rate at end of month		
					September 2022	October 2022	November 2022
Haiti							
Port-au-Prince	Gourde = 100 centimes	M	USD 1 =	HTG 89.8776	HTG 117.2664	HTG 125.6432	HTG 138.9643
	HTG	V, M	EUR 1 =	HTG 106.0149	HTG 114.3113	HTG 124.5627	HTG 144.1894
Honduras							
Tegucigalpa	Lempira = 100 centavos	B S	USD 1 = USD 1 =	HNL 24.0308 HNL 24.1990	HNL 24.6359 HNL 24.7591	HNL 24.6900 HNL 24.8135	HNL 24.6294 HNL 24.7525
	HNL	V, B V, S	EUR 1 = EUR 1 =	HNL 28.3919 HNL 28.5906	HNL 24.0151 HNL 24.1352	HNL 24.4777 HNL 24.6001	HNL 25.5555 HNL 25.6832
Hong Kong							
Hong Kong	Hong Kong dollar = 100 cents	B S	USD 1 = USD 1 =	HKD 7.74263 HKD 7.80440	HKD 7.81890 HKD 7.88070	HKD 7.81870 HKD 7.88040	HKD 7.77100 HKD 7.83280
	HKD	B S	EUR 1 = EUR 1 =	HKD 9.11766 HKD 9.26113	HKD 7.65280 HKD 7.79480	HKD 7.72140 HKD 7.86340	HKD 8.01480 HKD 8.15720
Hungary							
Budapest	Hungarian forint = 100 fillér	M	USD 1 =	HUF 303.29	HUF 428.57	HUF 414.46	HUF 393.54
	HUF	M	EUR 1 =	HUF 358.85	HUF 421.41	HUF 412.01	HUF 407.67
Iceland							
Reykjavik	Icelandic krona	M	USD 1 =	ISK 126.865	ISK 144.55	ISK 144.54	ISK 141.77
	ISK	M	EUR 1 =	ISK 149.360	ISK 140.90	ISK 143.30	ISK 147.10
India ¹							
New Delhi	Indian rupee = 100 paise	M	USD 1 =	INR 73.9236	INR 81.5522	INR 82.3934	INR 81.5970
	INR	M	EUR 1 =	INR 87.2595	INR 80.1093	INR 81.9232	INR 84.4507
Indonesia							
Jakarta	Indonesian rupiah = 100 sen	B S	USD 1 = USD 1 =	IDR 14,244.17 IDR 14,387.33	IDR 15,170.76 IDR 15,323.24	IDR 15,464.29 IDR 15,619.71	IDR 15,658.32 IDR 15,815.68
	IDR	B S	EUR 1 = EUR 1 =	IDR 16,855.79 IDR 17,029.16	IDR 14,639.78 IDR 14,793.06	IDR 15,386.97 IDR 15,543.17	IDR 16,243.94 IDR 16,411.93
Iran, Islamic Republic of ¹							
Tehran	Iranian rial = 100 dinars	2 M	USD 1 =	IRR 42,000	IRR 42,000	IRR 42,000	IRR 42,000
		2 M	EUR 1 =	IRR 49,539	IRR 40,660	IRR 41,794	IRR 43,490
		3 M	USD 1 =	IRR 264,425	IRR 320,200	IRR 333,200	IRR 360,900
		3 M	EUR 1 =	IRR 311,408	IRR 314,850	IRR 329,500	IRR 373,600

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 50. ¹ See Explanatory notes on individual countries, pp. 53 ff. ² Central bank rate. ³ Bureau de change rate.

IV. Overview of world currencies *

1. Currencies and exchange rates in individual countries (cont'd)

Country ¹ Capital	Currency ISO currency code	Type of rate	Unit	Annual average 2021	Rate at end of month		
					September 2022	October 2022	November 2022
Iraq ¹							
Baghdad	Iraqi dinar = 1,000 fils	2 B	USD 1 =	IQD 1,450.00	IQD 1,450.00	IQD 1,450.00	IQD 1,450.00
		2 S	USD 1 =	IQD 1,460.00	IQD 1,460.00	IQD 1,460.00	IQD 1,460.00
		B	EUR 1 =	IQD 1,716.752	IQD 1,407.370	IQD 1,437.530	IQD 1,504.520
		S	EUR 1 =	IQD 1,728.592	IQD 1,417.076	IQD 1,447.444	IQD 1,514.896
	3 S	USD 1 =	IQD 1,472.492	IQD 1,476.279	IQD 1,464.365	IQD 1,507.477	
IQD	V, S	EUR 1 =	IQD 1,739.80	IQD 1,439.08	IQD 1,451.77	IQD 1,564.16	
Ireland							
Dublin	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1827	USD 0.9748	USD 0.9914	USD 1.0376
Israel							
Jerusalem	New shekel = 100 agorot ILS	M	USD 1 =	ILS 3.2293	ILS 3.5430	ILS 3.5300	ILS 3.4410
		M	EUR 1 =	ILS 3.8217	ILS 3.4858	ILS 3.4980	ILS 3.5642
Italy							
Rome	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1827	USD 0.9748	USD 0.9914	USD 1.0376
Jamaica							
Kingston	Jamaican dollar = 100 cents	B	USD 1 =	JMD 150.6347	JMD 151.4548	JMD 152.4622	JMD 153.0167
		S	USD 1 =	JMD 151.7728	JMD 152.6756	JMD 154.0909	JMD 155.0190
	JMD	B	EUR 1 =	JMD 173.5355	JMD 142.0418	JMD 153.4742	JMD 152.3043
		S	EUR 1 =	JMD 181.5006	JMD 150.5167	JMD 157.4485	JMD 163.6330
Japan							
Tokyo	Japanese yen = 100 sen	B	USD 1 =	JPY 108.90	JPY 143.81	JPY 147.26	JPY 137.87
		S	USD 1 =	JPY 110.90	JPY 145.81	JPY 149.26	JPY 139.87
	JPY	B	EUR 1 =	JPY 128.84	JPY 140.82	JPY 146.09	JPY 142.08
		S	EUR 1 =	JPY 131.84	JPY 143.82	JPY 149.09	JPY 145.08
Jordan							
Amman	Jordanian dinar = 1,000 fils	2 B	USD 1 =	JOD 0.7080	JOD 0.7080	JOD 0.7080	JOD 0.7080
		2 S	USD 1 =	JOD 0.7100	JOD 0.7100	JOD 0.7100	JOD 0.7100
	JOD	B	EUR 1 =	JOD 0.83394	JOD 0.68209	JOD 0.70177	JOD 0.73044
		S	EUR 1 =	JOD 0.84081	JOD 0.69197	JOD 0.70752	JOD 0.73705
Kazakhstan ⁴							
Astana	Tenge = 100 tiyn	M	USD 1 =	KZT 426.17	KZT 476.89	KZT 467.00	KZT 468.43
	KZT	M	EUR 1 =	KZT 503.87	KZT 462.20	KZT 464.76	KZT 485.43

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 50. ¹ See Explanatory notes on individual countries, pp. 53 ff. ² Official rate;

value against the US dollar. ³ Market rate. ⁴ The capital of Kazakhstan was renamed from Nur-Sultan to Astana in September 2022.

IV. Overview of world currencies *

1. Currencies and exchange rates in individual countries (cont'd)

Country ¹ Capital	Currency ISO currency code	Type of rate	Unit	Annual average 2021	Rate at end of month		
					September 2022	October 2022	November 2022
Kenya ¹							
Nairobi	Kenya shilling = 100 cents	B	USD 1 =	KES 109.7793	KES 120.6324	KES 121.2324	KES 122.3471
		S	USD 1 =	KES 109.9793	KES 120.8324	KES 121.4324	KES 122.5471
	KES	B	EUR 1 =	KES 129.5884	KES 117.0188	KES 120.9776	KES 127.0012
		S	EUR 1 =	KES 129.8556	KES 117.2494	KES 121.2076	KES 127.2488
Korea, Democratic People's Republic of ¹							
Pyongyang	North Korean won = 100 chon	B	USD 1 =	.	.	.	.
		S	USD 1 =	.	.	.	.
	KPW	B	EUR 1 =	.	.	.	.
		S	EUR 1 =	.	.	.	.
Korea, Republic of							
Seoul	South Korean won = 100 chon	B	USD 1 =	KRW 1,134.40	KRW 1,424.90	KRW 1,417.00	KRW 1,306.10
		S	USD 1 =	KRW 1,156.75	KRW 1,453.10	KRW 1,445.00	KRW 1,331.90
	KRW	B	EUR 1 =	KRW 1,340.63	KRW 1,398.69	KRW 1,400.83	KRW 1,355.24
		S	EUR 1 =	KRW 1,367.70	KRW 1,426.93	KRW 1,429.11	KRW 1,382.60
Kuwait							
Kuwait	Kuwaiti dinar = 1,000 fils	B	USD 1 =	KWD 0.30033	KWD 0.30900	KWD 0.30805	KWD 0.30625
		S	USD 1 =	KWD 0.30393	KWD 0.31360	KWD 0.31165	KWD 0.30985
	KWD	B	EUR 1 =	KWD 0.354874	KWD 0.301692	KWD 0.304846	KWD 0.317888
		S	EUR 1 =	KWD 0.359128	KWD 0.306183	KWD 0.308409	KWD 0.321624
Kyrgyzstan							
Bishkek	Kyrgyz som = 100 tyiyn	M	USD 1 =	KGS 84.6925	KGS 80.1829	KGS 83.2481	KGS 84.4475
		M	EUR 1 =	KGS 100.1818	KGS 77.5048	KGS 82.7902	KGS 87.6776
	KGS						
Lao People's Democratic Republic							
Vientiane	Kip	B	USD 1 =	LAK 9,812	LAK 16,493	LAK 17,270	LAK 17,235
		S	USD 1 =	LAK 9,831	LAK 16,526	LAK 17,353	LAK 17,363
	LAK	B	EUR 1 =	LAK 11,579	LAK 16,180	LAK 17,110	LAK 17,766
		S	EUR 1 =	LAK 11,644	LAK 16,299	LAK 17,279	LAK 17,942
Latvia							
Riga	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1827	USD 0.9748	USD 0.9914	USD 1.0376
Lebanon ¹							
Beirut	Lebanese pound = 100 piastres	² M	USD 1 =	LBP 1,507.50	LBP 1,507.50	LBP 1,507.50	LBP 1,507.50
		² M	EUR 1 =	LBP 1,784.25	LBP 1,482.93	LBP 1,497.70	LBP 1,562.67
	LBP	³ M	USD 1 =	LBP 17,817.00 ⁴	LBP 29,800.00	LBP 30,100.00	LBP 30,300.00
		V, M	EUR 1 =	LBP 20,625.24 ⁴	LBP 29,049.04	LBP 29,841.14	LBP 31,439.28

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 50. ¹ See Explanatory notes on individual countries, pp. 53 ff. ² Official rate. ³ Sayrafa market rate. ⁴ Average from July to December 2021.

IV. Overview of world currencies *

1. Currencies and exchange rates in individual countries (cont'd)

Country ¹ Capital	Currency ISO currency code	Type of rate	Unit	Annual average 2021	Rate at end of month		
					September 2022	October 2022	November 2022
Lesotho ¹							
Maseru	Loti	M	USD 1 =	LSL 14.9194	LSL 17.9902	LSL 18.0678 ²	LSL 16.9446
	= 100 lisente	M	EUR 1 =	LSL 17.6004	LSL 17.5422	LSL 17.8251 ²	LSL 17.5700
	LSL						
Liberia ¹							
Monrovia	Liberian dollar	B	USD 1 =	LRD 164.6458	LRD 152.8412	LRD 152.7815	LRD 153.2505
	= 100 cents	S	USD 1 =	LRD 166.1336	LRD 154.6926	LRD 154.5718	LRD 154.9968
	LRD	V, B V, S	EUR 1 = EUR 1 =	LRD 194.7908 LRD 196.5456	LRD 148.9896 LRD 150.7943	LRD 151.4676 LRD 153.2425	LRD 159.0127 LRD 160.8247
Libya							
Tripoli	Libyan dinar	B	USD 1 =	LYD 4.5088	LYD 5.0415	LYD 4.9846	LYD 4.8822
	= 1,000 dirham	S	USD 1 =	LYD 4.5314	LYD 5.0667	LYD 5.0095	LYD 4.9066
	LYD	B S	EUR 1 = EUR 1 =	LYD 5.3197 LYD 5.3464	LYD 4.8711 LYD 4.8955	LYD 4.9561 LYD 4.9810	LYD 5.0526 LYD 5.0779
Lithuania							
Luxembourg	Euro	M	EUR 1 =	USD 1.1827	USD 0.9748	USD 0.9914	USD 1.0376
	= 100 cent						
	EUR						
Macao ¹							
Macao	Pataca	B	USD 1 =	MOP 8.0001	MOP 8.0779	MOP 8.0777	MOP 8.0346
	= 100 avos	S	USD 1 =	MOP 8.0263	MOP 8.1041	MOP 8.1039	MOP 8.0608
	MOP	B S	EUR 1 = EUR 1 =	MOP 9.4482 MOP 9.4897	MOP 7.8780 MOP 8.0430	MOP 8.0265 MOP 8.0657	MOP 8.3142 MOP 8.3534
Madagascar							
Antananarivo	Ariary	M	USD 1 =	MGA 3,837.78	MGA 4,179.60	MGA 4,254.62	MGA 4,347.77
	= 5 iraimbilanja	M	EUR 1 =	MGA 4,529.18	MGA 4,048.72	MGA 4,213.43	MGA 4,483.03
	MGA						
Malawi							
Lilongwe	Malawi kwacha	B	USD 1 =	MWK 793.6108	MWK 1,016.6211	MWK 1,016.6211	MWK 1,016.6211
	= 100 tambala	S	USD 1 =	MWK 809.3864	MWK 1,036.2485	MWK 1,036.2485	MWK 1,036.2485
	MWK	B S	EUR 1 = EUR 1 =	MWK 937.3776 MWK 956.0102	MWK 1,027.0150 MWK 1,046.8431	MWK 1,040.6275 MWK 1,060.7185	MWK 1,083.1406 MWK 1,104.0524
Malaysia							
Kuala Lumpur Seat of government: Putrajaya	Malaysian ringgit	B	USD 1 =	MYR 4.0772	MYR 4.5553	MYR 4.6462	MYR 4.4399
	= 100 sen	S	USD 1 =	MYR 4.2153	MYR 4.7147	MYR 4.8088	MYR 4.5852
	MYR	B S	EUR 1 = EUR 1 =	MYR 4.8162 MYR 4.9977	MYR 4.4611 MYR 4.6432	MYR 4.6050 MYR 4.8074	MYR 4.5764 MYR 4.7537

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 50. ¹ See Explanatory notes on individual countries, pp. 53 ff. ² Exchange rate as of 7 November 2022.

IV. Overview of world currencies *

1. Currencies and exchange rates in individual countries (cont'd)

Country ¹ Capital	Currency ISO currency code	Type of rate	Unit	Annual average 2021	Rate at end of month		
					September 2022	October 2022	November 2022
Maldives							
Malé	Rufiyaa = 100 laari	M	USD 1 =	MVR 15.38	MVR 15.39	MVR 15.40	MVR 15.37
	MVR	V, M	EUR 1 =	MVR 18.16588	MVR 15.00217	MVR 15.26756	MVR 15.94791
Mali ¹							
Bamako	CFA franc	B	USD 1 =	XOF 551.75	XOF 664.50	XOF 656.25	XOF 630.00
		S	USD 1 =	XOF 558.75	XOF 671.50	XOF 663.25	XOF 637.00
	XOF	2	EUR 1 =	XOF 655.957	XOF 655.957	XOF 655.957	XOF 655.957
Malta							
Valletta	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1827	USD 0.9748	USD 0.9914	USD 1.0376
Mauritania							
Nouakchott	Ouguiya	B	USD 1 =	MRU 35.97	MRU 37.70	MRU 37.79	MRU 37.82
		S	USD 1 =	MRU 36.33	MRU 38.07	MRU 38.16	MRU 38.19
		B	EUR 1 =	MRU 42.51	MRU 36.60	MRU 37.54	MRU 39.16
	MRU	S	EUR 1 =	MRU 42.94	MRU 36.97	MRU 37.91	MRU 39.55
Mauritius							
Port Louis	Mauritian rupee = 100 cents	B	USD 1 =	MUR 41.2469	MUR 44.6607	MUR 43.5243	MUR 43.3143
		S	USD 1 =	MUR 42.1464	MUR 45.5600	MUR 44.4236	MUR 44.2136
		B	EUR 1 =	MUR 48.5562	MUR 43.6973	MUR 43.2663	MUR 44.7760
	MUR	S	EUR 1 =	MUR 49.8831	MUR 44.9069	MUR 44.4724	MUR 45.9932
Mexico							
Mexico City	Mexican peso = 100 centavos	M	USD 1 =	MXN 20.30618	MXN 20.1271	MXN 19.8103	MXN 19.3081
	MXN	V, M	EUR 1 =	MXN 24.12793	MXN 19.6199	MXN 19.6399	MXN 20.0341
Moldova, Republic of							
Chisinau	Moldovan leu = 100 bani	M	USD 1 =	MDL 17.67450	MDL 19.5520	MDL 19.3295	MDL 19.3737
	MDL	M	EUR 1 =	MDL 20.89660	MDL 18.9917	MDL 19.2261	MDL 20.1110
Mongolia							
Ulan Bator	Togrog = 100 mongo	M	USD 1 =	MNT 2,849.38	MNT 3,344.09	MNT 3,390.99	MNT 3,420.06
	MNT	M	EUR 1 =	MNT 3,367.11	MNT 3,288.08	MNT 3,367.25	MNT 3,540.10
Morocco							
Rabat	Moroccan dirham = 100 centimes	M	USD 1 =	MAD 8.9920	MAD 10.9961	MAD 10.9235	MAD 10.7049
	MAD	M	EUR 1 =	MAD 10.6331	MAD 10.7322	MAD 10.8525	MAD 11.0817

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 50. ¹ See Explanatory notes on individual countries, pp. 53 ff. ² Value against the euro.

IV. Overview of world currencies *

1. Currencies and exchange rates in individual countries (cont'd)

Country ¹ Capital	Currency ISO currency code	Type of rate	Unit	Annual average 2021	Rate at end of month		
					September 2022	October 2022	November 2022
Mozambique							
Maputo	Metical = 100 centavos	B S	USD 1 =	MZN 64.55	MZN 63.24	MZN 63.24	MZN 63.24
			USD 1 =	MZN 65.84	MZN 64.50	MZN 64.50	
	MZN	B S	EUR 1 =	MZN 76.28	MZN 61.69	MZN 62.67	MZN 65.58
			EUR 1 =	MZN 77.80	MZN 62.92	MZN 63.92	MZN 66.89
Myanmar							
Nay Pyi Taw	Kyat = 100 pyas	M	USD 1 =	MMK 1,630.93	MMK 2,100.00	MMK 2,100.00	MMK 2,100.00
	MMK	M	EUR 1 =	MMK 1,924.25	MMK 2,056.50	MMK 2,085.10	MMK 2,178.50
Namibia ¹							
Windhoek	Namibia dollar = 100 cents	M	USD 1 =	NAD 14.9336	NAD 17.9876	NAD 18.1992	NAD 16.9594
	NAD	M	EUR 1 =	NAD 17.6294	NAD 17.6551	NAD 18.1275	NAD 17.5478
Nepal							
Kathmandu	Nepalese rupee = 100 paisa	B S	USD 1 =	NPR 117.93	NPR 130.68	NPR 131.66	NPR 130.46
			USD 1 =	NPR 118.53	NPR 131.28	NPR 132.26	NPR 131.06
	NPR	B S	EUR 1 =	NPR 139.30	NPR 126.71	NPR 131.20	NPR 135.31
			EUR 1 =	NPR 140.01	NPR 127.29	NPR 131.80	NPR 135.94
Netherlands							
Amsterdam Seat of government: The Hague	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1827	USD 0.9748	USD 0.9914	USD 1.0376
New Caledonia ¹							
Nouméa	CFP franc	V	XPF 1,000 =	USD 9.91	USD 8.17	USD 8.31	USD 8.70
	XPF	2	XPF 1,000 =	EUR 8.38	EUR 8.38	EUR 8.38	EUR 8.38
New Zealand							
Wellington	New Zealand dollar = 100 cents	B S	NZD 1 =	USD 0.7300	USD 0.5828	USD 0.5929	USD 0.6330
			NZD 1 =	USD 0.7026	USD 0.5609	USD 0.5707	USD 0.6092
	NZD	B S	NZD 1 =	EUR 0.6094	EUR 0.5944	EUR 0.5956	EUR 0.6118
			NZD 1 =	EUR 0.5865	EUR 0.5719	EUR 0.5731	EUR 0.5887
Nicaragua							
Managua	Córdoba = 100 centavos	M	USD 1 =	NIO 35.1991	NIO 36.0510	NIO 36.1117	NIO 36.1705
	NIO	V, M	EUR 1 =	NIO 41.58493	NIO 35.14251	NIO 35.80114	NIO 37.53051

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 50. ¹ See Explanatory notes on individual countries, pp. 53 ff. ² Value against the euro.

IV. Overview of world currencies *

1. Currencies and exchange rates in individual countries (cont'd)

Country ¹ Capital	Currency ISO currency code	Type of rate	Unit	Annual average 2021	Rate at end of month		
					September 2022	October 2022	November 2022
Niger ¹							
Niamey	CFA franc	B	USD 1 =	XOF 551.75	XOF 664.50	XOF 656.25	XOF 630.00
		S	USD 1 =	XOF 558.75	XOF 671.50	XOF 663.25	XOF 637.00
	XOF	2	EUR 1 =	XOF 655.957	XOF 655.957	XOF 655.957	XOF 655.957
Nigeria ¹							
Abuja	Naira = 100 kobo	B	USD 1 =	NGN 398.20	NGN 431.87	NGN 438.02	NGN 443.084
		S	USD 1 =	NGN 399.28	NGN 432.87	NGN 439.02	NGN 444.084
	NGN	B	EUR 1 =	NGN 470.0003	NGN 419.7776	NGN 435.2167	NGN 459.0793
		S	EUR 1 =	NGN 472.1110	NGN 420.7496	NGN 436.2103	NGN 460.2254
North Macedonia							
Skopje	North Macedonia denar = 100 deni	B	USD 1 =	MKD 51.8785	MKD 63.0409	MKD 61.6886	MKD 59.2191
		S	USD 1 =	MKD 52.3999	MKD 63.6745	MKD 62.3086	MKD 59.8143
	MKD	B	EUR 1 =	MKD 61.3252	MKD 61.1875	MKD 61.3863	MKD 61.3865
		S	EUR 1 =	MKD 61.9416	MKD 61.8025	MKD 62.0033	MKD 62.0035
Norway							
Oslo	Norwegian krone = 100 øre	B	USD 1 =	NOK 8.5681	NOK 10.6689	NOK 10.3458	NOK 9.9550
		S	USD 1 =	NOK 8.6441	NOK 10.7449	NOK 10.4218	NOK 10.0310
	NOK	B	EUR 1 =	NOK 10.1309	NOK 10.4528	NOK 10.2720	NOK 10.3039
		S	EUR 1 =	NOK 10.2159	NOK 10.5378	NOK 10.3570	NOK 10.3889
Oman							
Muscat	Rial Omani = 1,000 baisa	3 B	USD 1 =	OMR 0.3840	OMR 0.3840	OMR 0.3840	OMR 0.3840
		3 S	USD 1 =	OMR 0.3850	OMR 0.3850	OMR 0.3850	OMR 0.3850
	OMR	B	EUR 1 =	OMR 0.4530272	OMR 0.3719424	OMR 0.3826176	OMR 0.3988992
		S	EUR 1 =	OMR 0.4543257	OMR 0.3729495	OMR 0.3836525	OMR 0.3999765
Pakistan							
Islamabad	Pakistani rupee = 100 paisa	B	USD 1 =	PKR 163.17	PKR 229.45	PKR 222.40	PKR 223.90
		S	USD 1 =	PKR 163.67	PKR 229.95	PKR 222.90	PKR 224.40
	PKR	B	EUR 1 =	PKR 193.17	PKR 225.35	PKR 222.05	PKR 232.18
		S	EUR 1 =	PKR 193.76	PKR 225.84	PKR 222.54	PKR 232.70
Panama ¹							
Panama City	Balboa = 100 centésimos PAB	4	USD 1 =	PAB 1	PAB 1	PAB 1	PAB 1
		V	EUR 1 =	PAB 1.1827	PAB 0.9748	PAB 0.9914	PAB 1.0376
Papua New Guinea							
Port Moresby	Kina = 100 toea	B	PGK 1 =	USD 0.2925	USD 0.2915	USD 0.2915	USD 0.2915
		S	PGK 1 =	USD 0.2775	USD 0.2765	USD 0.2765	USD 0.2765
	PGK	B	PGK 1 =	EUR 0.2418	EUR 0.2897	EUR 0.2857	EUR 0.2755
		S	PGK 1 =	EUR 0.2268	EUR 0.2747	EUR 0.2707	EUR 0.2605

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 50. ¹ See Explanatory notes on individual countries, pp. 53 ff. ² Value against the euro. ³ Value against the US dollar. ⁴ Parity in relation to the US dollar.

IV. Overview of world currencies *

1. Currencies and exchange rates in individual countries (cont'd)

Country ¹ Capital	Currency ISO currency code	Type of rate	Unit	Annual average 2021	Rate at end of month		
					September 2022	October 2022	November 2022
Paraguay							
Asunción	Guaraní = 100 céntimos	B S	USD 1 =	PYG 6,763.04	PYG 7,078.87	PYG 7,237.87	PYG 7,207.18
			USD 1 =	PYG 6,781.64	PYG 7,090.20	PYG 7,254.43	PYG 7,218.83
	PYG	V, B V, S	EUR 1 = EUR 1 =	PYG 7,993.68 PYG 8,015.16	PYG 6,900.48 PYG 6,911.53	PYG 7,175.62 PYG 7,192.04	PYG 7,478.17 PYG 7,490.26
Peru							
Lima	Sol = 100 céntimos	B S	USD 1 =	PEN 3.879	PEN 3.978	PEN 3.984	PEN 3.849
			USD 1 =	PEN 3.886	PEN 3.984	PEN 3.993	PEN 3.854
	PEN	B S	EUR 1 = EUR 1 =	PEN 4.517 PEN 4.782	PEN 3.631 PEN 4.167	PEN 3.606 PEN 4.309	PEN 3.807 PEN 4.331
Philippines							
Manila	Philippine peso = 100 centavos	B S	USD 1 =	PHP 49.00	PHP 58.45	PHP 57.65	PHP 56.30
			USD 1 =	PHP 49.50	PHP 58.95	PHP 58.15	PHP 56.80
	PHP	B S	EUR 1 = EUR 1 =	PHP 55.9728 PHP 60.0324	PHP 55.9468 PHP 59.0820	PHP 55.7193 PHP 59.2331	PHP 56.8654 PHP 60.3378
Poland							
Warsaw	Polish zloty = 100 groszy	M	USD 1 =	PLN 3.8647	PLN 4.9533	PLN 4.7340	PLN 4.5066
			EUR 1 =	PLN 4.5775	PLN 4.8698	PLN 4.7089	PLN 4.6684
Portugal							
Lisbon	Euro = 100 cent	M	EUR 1 =	USD 1.1827	USD 0.9748	USD 0.9914	USD 1.0376
			EUR				
Qatar							
Doha	Qatari riyal = 100 dirham	2 V, M	USD 1 =	QAR 3.6400	QAR 3.6400	QAR 3.6400	QAR 3.6400
			EUR 1 =	QAR 4.3009	QAR 3.5483	QAR 3.6087	QAR 3.7769
QAR							
Romania							
Bucharest	Romanian leu = 100 kopecks	M	USD 1 =	RON 4.1630	RON 5.0469	RON 4.9487	RON 4.7383
			EUR 1 =	RON 4.9244	RON 4.9490	RON 4.9141	RON 4.9184
RON							
Russian Federation							
Moscow	Russian rouble = 100 kopecks	M	USD 1 =	RUB 73.6685	RUB 57.4130	RUB 61.5343	RUB 61.0742
			EUR 1 =	RUB 87.2582	RUB 55.4064 ³	RUB 61.1328 ³	RUB 63.3882 ³
RUB							

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 50. ¹ See Explanatory notes on individual countries, pp. 53 ff. ² Value against

the US dollar. ³ Indicative rate; according to the Bank of Russia, calculated on the basis of their established official RUB/USD rates and USD/EUR market rates.

IV. Overview of world currencies *

1. Currencies and exchange rates in individual countries (cont'd)

Country ¹ Capital	Currency ISO currency code	Type of rate	Unit	Annual average 2021	Rate at end of month		
					September 2022	October 2022	November 2022
Rwanda							
Kigali	Rwanda franc = 100 centimes	B	USD 1 =	RWF 979.780622	RWF 1,031.613702	RWF 1,038.450139	RWF 1,047.161562
		S	USD 1 =	RWF 999.374255	RWF 1,052.243892	RWF 1,059.217045	RWF 1,068.102678
	RWF	B	EUR 1 =	RWF 1,158.76928	RWF 1,011.49724	RWF 1,034.19249	RWF 1,084.75466
		S	EUR 1 =	RWF 1,181.94233	RWF 1,031.72514	RWF 1,054.87426	RWF 1,106.44756
Saint Helena, Ascension and Tristan da Cunha							
Jamestown	Saint Helena pound ² = 100 pence	V	USD 1 =	SHP 0.72681	SHP 0.90583	SHP 0.86862	SHP 0.83354
	SHP	V	EUR 1 =	SHP 0.85960	SHP 0.88300	SHP 0.86115	SHP 0.86488
Saint Kitts and Nevis							
Basseterre	East Caribbean dollar = 100 cents	³ B	USD 1 =	XCD 2.6882	XCD 2.6882	XCD 2.6882	XCD 2.6882
		³ S	USD 1 =	XCD 2.7169	XCD 2.7169	XCD 2.7169	XCD 2.7169
	XCD	V, B	EUR 1 =	XCD 3.1793	XCD 2.6205	XCD 2.6651	XCD 2.7893
		V, S	EUR 1 =	XCD 3.2133	XCD 2.6484	XCD 2.6935	XCD 2.8191
Saint Lucia							
Castries	East Caribbean dollar = 100 cents	³ B	USD 1 =	XCD 2.6882	XCD 2.6882	XCD 2.6882	XCD 2.6882
		³ S	USD 1 =	XCD 2.7169	XCD 2.7169	XCD 2.7169	XCD 2.7169
	XCD	V, B	EUR 1 =	XCD 3.1793	XCD 2.6205	XCD 2.6651	XCD 2.7893
		V, S	EUR 1 =	XCD 3.2133	XCD 2.6484	XCD 2.6935	XCD 2.8191
Saint Vincent and the Grenadines							
Kingstown	East Caribbean dollar = 100 cents	³ B	USD 1 =	XCD 2.6882	XCD 2.6882	XCD 2.6882	XCD 2.6882
		³ S	USD 1 =	XCD 2.7169	XCD 2.7169	XCD 2.7169	XCD 2.7169
	XCD	V, B	EUR 1 =	XCD 3.1793	XCD 2.6205	XCD 2.6651	XCD 2.7893
		V, S	EUR 1 =	XCD 3.2133	XCD 2.6484	XCD 2.6935	XCD 2.8191
Samoa							
Apia	Tala = 100 sene	M	WST 1 =	USD 0.39108	USD 0.35540	USD 0.35619	USD 0.36631
	WST	M	WST 1 =	EUR 0.33107	EUR 0.36278	EUR 0.35814	EUR 0.35425
Sao Tome and Principe							
São Tomé	Dobra = 100 cêntimos	B	USD 1 =	STN 20.7642	STN 25.6142	STN 24.6206	STN 23.6350
		S	USD 1 =	STN 21.0757	STN 25.9984	STN 24.9900	STN 23.9895
	STN	4	EUR 1 =	STN 24.5000	STN 24.5000	STN 24.5000	STN 24.5000
Saudi Arabia							
Riyadh	Saudi riyal = 100 halalah SAR	³ M	USD 1 =	SAR 3.75	SAR 3.75	SAR 3.75	SAR 3.75
		V, M	EUR 1 =	SAR 4.43566	SAR 3.65550	SAR 3.71775	SAR 3.89100

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 50. ¹ See Explanatory notes on individual countries, pp. 53 ff. ² Parity in relation to the pound sterling. ³ Value against the US dollar. ⁴ Value against the euro.

IV. Overview of world currencies *

1. Currencies and exchange rates in individual countries (cont'd)

Country ¹ Capital	Currency ISO currency code	Type of rate	Unit	Annual average 2021	Rate at end of month		
					September 2022	October 2022	November 2022
Senegal ¹							
Dakar	CFA franc	B	USD 1 =	XOF 551.75	XOF 664.50	XOF 656.25	XOF 630.00
		S	USD 1 =	XOF 558.75	XOF 671.50	XOF 663.25	XOF 637.00
	XOF	2	EUR 1 =	XOF 655.957	XOF 655.957	XOF 655.957	XOF 655.957
Serbia							
Belgrade	Serbian dinar = 100 para	B	USD 1 =	RSD 99.1383	RSD 119.1949	RSD 117.5092	RSD 113.0086
		S	USD 1 =	RSD 99.7349	RSD 119.9123	RSD 118.2164	RSD 113.6886
	RSD	B	EUR 1 =	RSD 117.2203	RSD 116.9659	RSD 116.9569	RSD 116.9751
		S	EUR 1 =	RSD 117.9257	RSD 117.6699	RSD 117.6607	RSD 117.6791
Seychelles							
Victoria	Seychelles rupee = 100 cents	B	USD 1 =	SCR 16.2706	SCR 14.0145	SCR 14.1439	SCR 13.8963
		S	USD 1 =	SCR 16.9477	SCR 14.7084	SCR 14.6145	SCR 14.3899
	SCR	B	EUR 1 =	SCR 19.1849	SCR 13.8521	SCR 14.0513	SCR 14.4065
		S	EUR 1 =	SCR 20.0962	SCR 14.4391	SCR 14.7329	SCR 15.1505
Sierra Leone ¹							
Freetown	Leone = 100 cents	B	USD 1 =	SLL 10,373.56	SLE 15.7110	SLE 17.2604	SLE 18.2353
		S	USD 1 =	SLL 10,585.67	SLE 15.8689	SLE 17.4338	SLE 18.4186
	SLL/SLE ¹	B	EUR 1 =	SLL 12,252.77	SLE 15.4592	SLE 17.1256	SLE 18.8841
		S	EUR 1 =	SLL 12,496.53	SLE 15.6119	SLE 17.2962	SLE 19.0656
Singapore ¹							
Singapore	Singapore dollar = 100 cents	M	USD 1 =	SGD 1.3433	SGD 1.4340	SGD 1.4112	SGD 1.3722
		M	EUR 1 =	SGD 1.5871	SGD 1.4053	SGD 1.4063	SGD 1.4200
	SGD						
Sint Maarten (southern part)							
Philipsburg	Netherlands Antillean guilder = 100 cents	3 B	USD 1 =	ANG 1.78	ANG 1.78	ANG 1.78	ANG 1.78
		3 S	USD 1 =	ANG 1.82	ANG 1.82	ANG 1.82	ANG 1.82
	ANG	B	EUR 100 =	ANG 210.45	ANG 173.90	ANG 176.93	ANG 184.48
		S	EUR 100 =	ANG 214.69	ANG 177.41	ANG 180.49	ANG 188.20
Slovakia							
Bratislava	Euro = 100 cent	M	EUR 1 =	USD 1.1827	USD 0.9748	USD 0.9914	USD 1.0376
	EUR						
Slovenia							
Ljubljana	Euro = 100 cent	M	EUR 1 =	USD 1.1827	USD 0.9748	USD 0.9914	USD 1.0376
	EUR						
Solomon Islands							
Honiara	Solomon Islands dollar = 100 cents	M	SBD 1 =	USD 0.1245	USD 0.1224	USD 0.1218	USD 0.1214
		M	SBD 1 =	EUR 0.10541	EUR 0.12500	EUR 0.12200	EUR 0.11680
	SBD						

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 50. ¹ See Explanatory notes on individual countries, pp. 53 ff. ² Value against the euro. ³ Value against the US dollar.

IV. Overview of world currencies *

1. Currencies and exchange rates in individual countries (cont'd)

Country ¹ Capital	Currency ISO currency code	Type of rate	Unit	Annual average 2021	Rate at end of month		
					September 2022	October 2022	November 2022
Somalia ¹							
Mogadishu	Somali shilling	M	USD 1 =	SOS .	SOS .	SOS .	SOS .
	SOS	M	EUR 1 =	SOS .	SOS .	SOS .	SOS .
South Africa							
Pretoria Seat of parliament: Cape Town	South African rand = 100 cents	B	USD 1 =	ZAR 14.6003	ZAR 17.8153	ZAR 18.1763	ZAR 16.7657
		S	USD 1 =	ZAR 14.9228	ZAR 18.1819	ZAR 18.5422	ZAR 17.1326
		B	EUR 1 =	ZAR 17.3023	ZAR 17.2723	ZAR 17.8553	ZAR 17.2521
	ZAR	S	EUR 1 =	ZAR 17.7763	ZAR 17.8835	ZAR 18.4756	ZAR 17.8703
South Sudan							
Juba	South Sudanese pound = 100 piastres	M	USD 1 =	SSP 317.0607	SSP 619.9279	SSP 615.0725	SSP 646.8113
	SSP	M	EUR 1 =	SSP 372.1906	SSP 600.8970	SSP 612.0899	SSP 670.3234
Spain							
Madrid	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1827	USD 0.9748	USD 0.9914	USD 1.0376
Sri Lanka							
Colombo	Sri Lanka rupee = 100 cents	B	USD 1 =	LKR 196.9317	LKR 359.1618	LKR 360.6537	LKR 361.2484
		S	USD 1 =	LKR 201.6169	LKR 369.9103	LKR 371.2103	LKR 371.7222
		B	EUR 1 =	LKR 232.1963	LKR 349.9242	LKR 356.3481	LKR 371.1079
	LKR	S	EUR 1 =	LKR 239.8119	LKR 364.6306	LKR 371.4353	LKR 386.4056
Sudan							
Khartoum	Sudanese pound = 100 piastres	B	USD 1 =	SDG 392.3129	SDG 574.9805	SDG 576.4753	SDG 575.9770
		S	USD 1 =	SDG 395.0050	SDG 581.3275	SDG 582.8388	SDG 582.3350
		B	EUR 1 =	SDG 461.9386	SDG 555.7433	SDG 572.9021	SDG 595.1813
	SDG	S	EUR 1 =	SDG 465.1035	SDG 562.7250	SDG 580.0994	SDG 602.6585
Suriname							
Paramaribo	Suriname dollar = 100 cents	B	USD 1 =	SRD 19.085	SRD 26.640	SRD 29.526	SRD 31.700
		S	USD 1 =	SRD 19.411	SRD 26.707	SRD 29.656	SRD 31.817
		B	EUR 1 =	SRD 22.182	SRD 26.375	SRD 28.771	SRD 31.985
	SRD	S	EUR 1 =	SRD 22.664	SRD 27.018	SRD 29.076	SRD 32.597
Sweden							
Stockholm	Swedish krona = 100 öre	B	USD 1 =	SEK 8.5290	SEK 11.0702	SEK 10.9394	SEK 10.5067
		S	USD 1 =	SEK 8.6340	SEK 11.1752	SEK 11.0444	SEK 10.6117
		B	EUR 1 =	SEK 10.0942	SEK 10.8602	SEK 10.8448	SEK 10.8691
	SEK	S	EUR 1 =	SEK 10.2092	SEK 10.9752	SEK 10.9598	SEK 10.9841

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 50. ¹ See Explanatory notes on individual countries, pp. 53 ff.

IV. Overview of world currencies *

1. Currencies and exchange rates in individual countries (cont'd)

Country ¹ Capital	Currency ISO currency code	Type of rate	Unit	Annual average 2021	Rate at end of month		
					September 2022	October 2022	November 2022
Switzerland							
Berne	Swiss franc = 100 rappen/centimes CHF	B	USD 1 =	CHF 0.9143	CHF 0.9762	CHF 0.9992	CHF 0.9506
		B	EUR 1 =	CHF 1.0798	CHF 0.9603	CHF 0.9936	CHF 0.9848
Syrian Arab Republic ¹							
Damascus	Syrian pound = 100 piastres	2 B	USD 1 =	SYP 2,187.50	SYP 3,000.00	SYP 3,000.00	SYP 3,000.00
		2 B	USD 1 =	SYP 2,209.25	SYP 3,030.00	SYP 3,030.00	SYP 3,030.00
	SYP	2 B	EUR 1 =	SYP 2,574.25	SYP 2,905.00	SYP 2,988.00	SYP 3,108.00
		2 B	EUR 1 =	SYP 2,599.99	SYP 2,934.05	SYP 3,017.88	SYP 3,139.08
Tajikistan							
Dushanbe	Somoni = 100 diram TJS	M	USD 1 =	TJS 11.3083	TJS 10.2200	TJS 10.2148	TJS 10.2100
		M	EUR 1 =	TJS 13.3782	TJS 9.9901	TJS 10.1678	TJS 10.5480
Tanzania, United Republic of							
Dodoma Seat of Government: Dar es Salaam	Tanzania shilling = 100 cents	B	USD 1 =	TZS 2,286.3493	TZS 2,296.4554	TZS 2,296.7723	TZS 2,297.0396
		S	USD 1 =	TZS 2,309.2125	TZS 2,319.4200	TZS 2,319.7400	TZS 2,320.0100
	TZS	B	EUR 1 =	TZS 2,701.4482	TZS 2,232.6140	TZS 2,283.2213	TZS 2,380.8815
		S	EUR 1 =	TZS 2,729.2322	TZS 2,255.8679	TZS 2,306.9814	TZS 2,405.6184
Thailand							
Bangkok	Thai baht = 100 satang	B	USD 1 =	THB 31.8272	THB 37.7454	THB 37.8631	THB 35.2097
		S	USD 1 =	THB 32.1710	THB 38.0679	THB 38.1937	THB 35.5352
	THB	B	EUR 1 =	THB 37.5324	THB 36.8328	THB 37.4584	THB 36.2274
		S	EUR 1 =	THB 38.3022	THB 37.5769	THB 38.2034	THB 36.9600
Togo ¹							
Lomé	CFA franc	B	USD 1 =	XOF 551.75	XOF 664.50	XOF 656.25	XOF 630.00
		S	USD 1 =	XOF 558.75	XOF 671.50	XOF 663.25	XOF 637.00
	XOF	3	EUR 1 =	XOF 655.957	XOF 655.957	XOF 655.957	XOF 655.957
Tonga							
Nuku'alofa	Pa'anga = 100 seniti TOP	M	TOP 1 =	USD 0.4416	USD 0.4123	USD 0.4136	USD 0.4235
		M	TOP 1 =	EUR 0.3731	EUR 0.4194	EUR 0.4142	EUR 0.4089
Trinidad and Tobago							
Port-of-Spain	Trinidad and Tobago dollar = 100 cents	B	USD 1 =	TTD 6.7168	TTD 6.6892	TTD 6.6854	TTD 6.6700
		S	USD 1 =	TTD 6.7684	TTD 6.7767	TTD 6.7748	TTD 6.7829
	TTD	B	EUR 1 =	TTD 7.9996	TTD 6.5772	TTD 6.6574	TTD 6.9916
		S	EUR 1 =	TTD 8.5618	TTD 6.9534	TTD 7.1678	TTD 7.4006

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 50. ¹ See Explanatory notes on individual countries, pp. 53 ff. ² Bank rate. ³ Value against the euro.

IV. Overview of world currencies *

1. Currencies and exchange rates in individual countries (cont'd)

Country ¹ Capital	Currency ISO currency code	Type of rate	Unit	Annual average 2021	Rate at end of month		
					September 2022	October 2022	November 2022
Tunisia							
Tunis	Tunisian dinar = 1,000 millimes	B	USD 1 =	TND 2.7782	TND 3.2530	TND 3.2286	TND 3.1252
		S	USD 1 =	TND 2.7810	TND 3.2562	TND 3.2319	TND 3.1284
	TND	B	EUR 1 =	TND 3.2860	TND 3.1772	TND 3.1935	TND 3.2430
		S	EUR 1 =	TND 3.2892	TND 3.1803	TND 3.1966	TND 3.2463
Turkey							
Ankara	Turkish lira = 100 kuruş	B	USD 1 =	TRY 8.8869	TRY 18.5038	TRY 18.5880	TRY 18.6140
		S	USD 1 =	TRY 8.9029	TRY 18.5371	TRY 18.6215	TRY 18.6475
	TRY	B	EUR 1 =	TRY 10.6978	TRY 17.9232	TRY 18.6837	TRY 19.3116
		S	EUR 1 =	TRY 10.7171	TRY 17.9555	TRY 18.7174	TRY 19.3464
Turkmenistan ¹							
Ashgabat	Turkmen manat = 100 tenge	2	USD 1 =	TMT 3.50	TMT 3.50	TMT 3.50	TMT 3.50
		M	EUR 1 =	TMT 4.1413	TMT 3.3915	TMT 3.4871	TMT 3.6278
Uganda							
Kampala	Uganda shilling	B	USD 1 =	UGX 3,577.15	UGX 3,851.30	UGX 3,800.22	UGX 3,733.33
		S	USD 1 =	UGX 3,587.15	UGX 3,861.30	UGX 3,810.22	UGX 3,743.33
	UGX	B	EUR 1 =	UGX 4,224.32	UGX 3,708.52	UGX 3,799.46	UGX 3,866.98
		S	EUR 1 =	UGX 4,236.12	UGX 3,718.15	UGX 3,809.46	UGX 3,877.34
Ukraine							
Kyiv	Hryvnia = 100 kopiyok	M	USD 1 =	UAH 27.2680	UAH 36.5686 ²	UAH 36.5686 ²	UAH 36.5686 ²
		M	EUR 1 =	UAH 32.2611	UAH 35.5611	UAH 36.4095	UAH 37.9344
United Arab Emirates ¹							
Abu Dhabi	United Arab Emirates dirham = 100 fils	2	USD 1 =	AED 3.6725	AED 3.6725	AED 3.6725	AED 3.6725
		V, M	EUR 1 =	AED 4.3436	AED 3.5800	AED 3.6409	AED 3.8106
United Kingdom ¹							
London	Pound sterling = 100 pence	M	GBP 1 =	USD 1.3757	USD 1.1170	USD 1.1514	USD 1.1912
		M	EUR 1 =	GBP 0.8581	GBP 0.8769	GBP 0.8585	GBP 0.8646
United States							
Washington	US dollar = 100 cents	M	EUR 1 =	USD 1.17966	USD 0.9799	USD 0.9883	USD 1.0405
		M	GBP 1 =	USD 1.37555	USD 1.1160	USD 1.1469	USD 1.2056

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 50. ¹ See Explanatory notes on individual countries, pp. 53 ff. ² Value against the US dollar.

IV. Overview of world currencies *

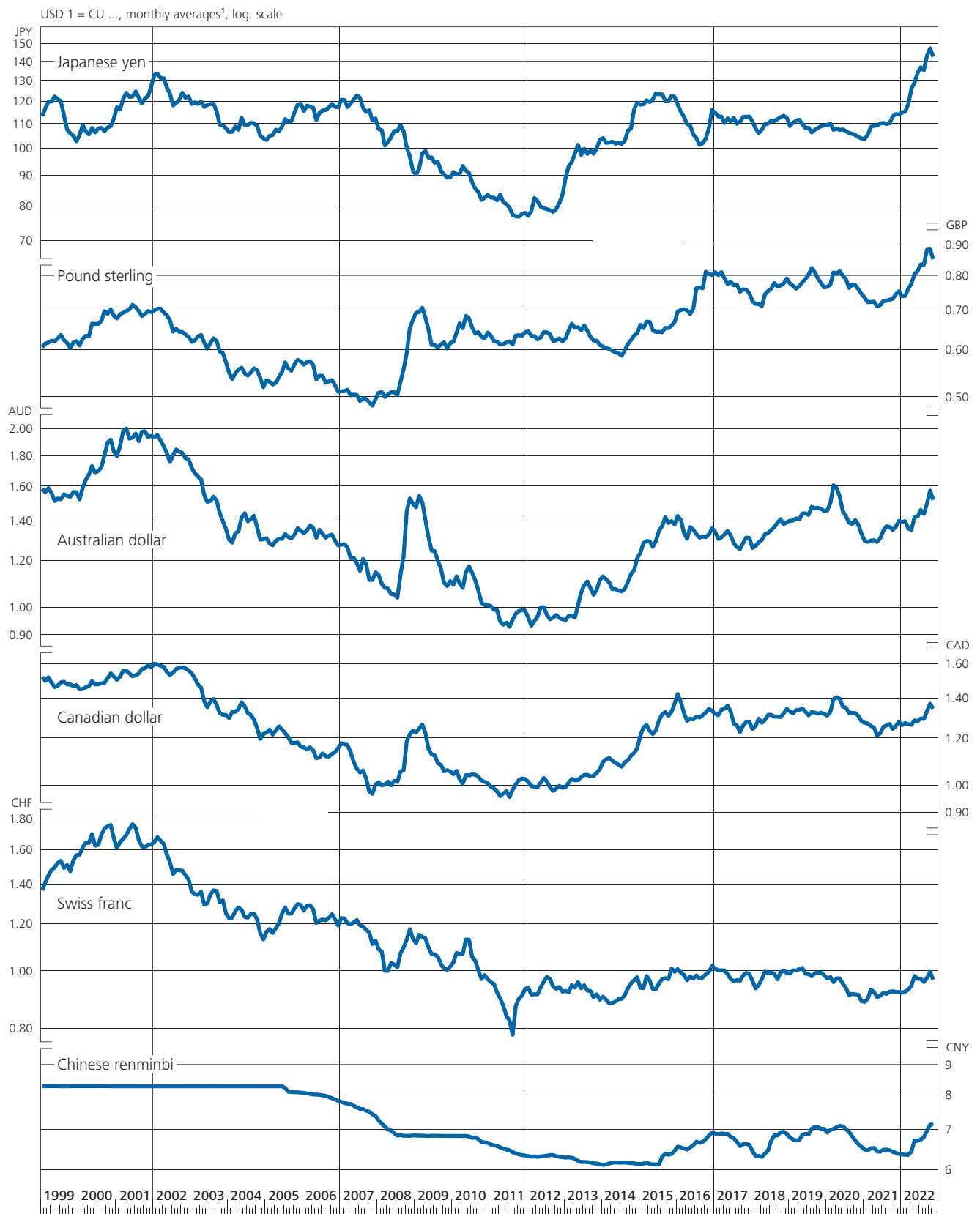
1. Currencies and exchange rates in individual countries (cont'd)

Country ¹ Capital	Currency ISO currency code	Type of rate	Unit	Annual average 2021	Rate at end of month		
					September 2022	October 2022	November 2022
Uruguay							
Montevideo	Uruguayan peso = 100 centésimos UYU	M	USD 1 =	UYU 43.574	UYU 41.736	UYU 40.608	UYU 39.392
		M	EUR 1 =	UYU 51.5154	UYU 40.9368	UYU 40.1309	UYU 40.9106
Uzbekistan							
Tashkent	Uzbekistan sum = 100 tiyin UZS	M	USD 1 =	UZS 10,624.97	UZS 11,014.01	UZS 11,180.48	UZS 11,212.97
		M	EUR 1 =	UZS 12,568.72	UZS 10,674.78	UZS 11,129.05	UZS 11,622.24
Vanuatu							
Port Vila	Vatu	B	USD 1 =	VUV 107.78	VUV 119.75	VUV 119.70	VUV 116.58
		S	USD 1 =	VUV 114.63	VUV 127.36	VUV 127.31	VUV 124.00
	VUV	B	EUR 1 =	VUV 128.25	VUV 118.65	VUV 120.23	VUV 121.35
		S	EUR 1 =	VUV 133.43	VUV 123.44	VUV 125.09	VUV 126.25
Venezuela, Bolivarian Republic of ¹							
Caracas	Bolívar = 100 céntimos	B	USD 1 =	VES 3.387736	VES 8.183091	VES 8.570321	VES 11.051203
		S	USD 1 =	VES 3.396227	VES 8.203600	VES 8.591800	VES 11.078900
	VES	B	EUR 1 =	VES 3.978432	VES 8.029740	VES 8.522327	VES 11.472917
		S	EUR 1 =	VES 3.988403	VES 8.049865	VES 8.543686	VES 11.501671
Viet Nam							
Hanoi	Dong = 10 hào = 100 xu	B	USD 1 =	VND 22,814	VND 23,730	VND 24,599	VND 24,520
		S	USD 1 =	VND 23,014	VND 24,010	VND 24,879	VND 24,800
	VND	B	EUR 1 =	VND 26,590.89	VND 23,027.10	VND 24,335.21	VND 25,065.04
		S	EUR 1 =	VND 27,719.15	VND 24,072.65	VND 25,438.51	VND 26,212.40
Yemen ¹							
Sana'a	Yemeni rial = 100 fils	2 B	USD 1 =	YER 250.00	YER .	YER .	YER .
		2 S	USD 1 =	YER 250.50	YER .	YER .	YER .
	YER	2 B	EUR 1 =	YER 294.98	YER .	YER .	YER .
		2 S	EUR 1 =	YER 295.57	YER .	YER .	YER .
Zambia							
Lusaka	Kwacha = 100 ngwee	B	USD 1 =	ZMW 19.6748	ZMW 15.7448	ZMW 16.1466	ZMW 17.0371
		S	USD 1 =	ZMW 19.7248	ZMW 15.7935	ZMW 16.1953	ZMW 17.0846
	ZMW	B	EUR 1 =	ZMW 23.2872	ZMW 15.3464	ZMW 16.0045	ZMW 17.6607
		S	EUR 1 =	ZMW 23.3512	ZMW 15.4003	ZMW 16.0544	ZMW 17.7150
Zimbabwe ¹							
Harare	Zimbabwe dollar = 100 cents	M	USD 1 =	ZWL 89.77495	ZWL 621.53210 ³	ZWL 632.13710 ³	ZWL 654.86510 ³
		M	EUR 1 =	ZWL 105.85241	ZWL 609.94090 ³	ZWL 628.85185 ³	ZWL 677.59088 ³
	ZWL	4 M	USD 1 =	ZWL .	ZWL 621.89220	ZWL 632.77030	ZWL 654.92840
		4 M	EUR 1 =	ZWL .	ZWL 610.33015	ZWL 629.35845	ZWL 677.72245

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 50. ¹ See Explanatory notes on individual countries, pp. 53 ff. ² Central bank rate. ³ Auction rate. ⁴ Interbank market rate.

IV. Overview of world currencies*

2. Exchange rates of the US dollar against major currencies



* See Explanatory notes, p. 50. ¹ Calculated on the basis of national central banks' daily rates.

IV. Overview of world currencies

3. Currencies in selected territories and states in which the currency of another country is legal tender

Country or territory	Currency	Country or territory	Currency
Åland Islands	Euro	Madeira	Euro
Alhucemas	Euro	Marie-Galante	Euro
American Samoa	US dollar	Marshall Islands	US dollar
Andaman Islands	Indian rupee	Martinique	Euro
Andorra ¹	Euro	Mayotte	Euro
Anguilla	East Caribbean dollar	Melilla	Euro
Azores	Euro	Micronesia, Federated States of	US dollar
		Monaco ¹	Euro
		Montenegro	Euro
		Montserrat	East Caribbean dollar
		Mooréa	CFP franc
Baker Island	US dollar		
Balearics	Euro	Nauru	Australian dollar
Bali	Indonesian rupiah	Newfoundland	Canadian dollar
Bonaire	US dollar	Nicobar Islands	Indian rupee
Bora-Bora	CFP franc	Niue	New Zealand dollar
Borneo (northern part)	Malaysian ringgit	Norfolk Island	Australian dollar
Borneo (southern part)	Indonesian rupiah	Northern Mariana Islands	US dollar
British Virgin Islands	US dollar		
		Palau	US dollar
Canary Islands	Euro	Pescadores	New Taiwan dollar
Ceuta	Euro	Pitcairn Islands Group	New Zealand dollar
Chafarinas (Islands)	Euro	Puerto Rico	US dollar
Christmas Island	Australian dollar		
Cocos Islands	Australian dollar		
		Réunion	Euro
Désirade	Euro		
		Saba	US dollar
Easter Island	Chilean peso	Saint Barthélemy	Euro
Ecuador ¹	US dollar	Saint Eustatius	US dollar
		Saint Martin (northern part)	Euro
Faroe Islands ¹	Danish krone	Saint Pierre and Miquelon	Euro
(French) Guiana	Euro	San Marino ¹	Euro
French Polynesia	CFP franc	Spitzbergen/Spitsbergen	Norwegian krone
		Sumatra	Indonesian rupiah
Galapagos Islands	US dollar	Swan Islands	Honduran lempira
Gozo (Island of)	Euro		
Greenland	Danish krone	Tahiti	CFP franc
Guadeloupe	Euro	Tibet	Chinese renminbi
Guam	US dollar	Timor-Leste ¹	US dollar
Guernsey ¹	Pound sterling	Tokelau	New Zealand dollar/Samoan tala
		Turks and Caicos Islands ¹	US dollar
Howland Island	US dollar	Tuvalu ¹	Australian dollar
Isle of Man ¹	Pound sterling	Vatican City ¹	Euro
		Virgin Islands of the United States	US dollar
Jarvis Island	US dollar		
Java	Indonesian rupiah	Wallis and Futuna (Islands)	CFP franc
Jersey ¹	Pound sterling	Western Sahara	Moroccan dirham
Kiribati ¹	Australian dollar		
Kosovo	Euro		
	Serbian dinar		
Laccadive Islands	Indian rupee	Zanzibar (Island)	Tanzania shilling
Les Saintes Islands	Euro		
Liechtenstein	Swiss franc		

Sources: Central banks and The Statesman's Yearbook. ¹ Local currency is also in use.

V. Value of the special drawing right in selected currencies *

SDR 1 = CU ... , year-end and month-end data as well as daily data

Period	US dollar USD	Euro EUR	Chinese yuan (renminbi) CNY	Japanese yen JPY	Pound sterling GBP	Canadian dollar CAD	Swiss franc CHF	Danish krone DKK	Norwegian krone NOK	Swedish krona SEK
2007	1.58025	1.07346	11.53020	179.947	0.788780	1.56144	1.77857	8.02021	8.55074	10.2088
2008	1.54027	1.10675	10.52710	140.464	1.056570	1.88621	1.63839	8.18003	10.78020	12.0833
2009	1.56769	1.08822	10.70450	143.797	0.968007	1.64075	1.61551	8.10688	9.05608	11.3070
2010	1.54003	1.15966	10.19950	125.436	0.997755	1.54142	1.44702	8.64469	9.06742	10.4761
2011	1.53527	1.18654	9.67352	119.321	0.992989	1.56254	1.44453	8.82099	9.20039	10.6293
2012	1.53692	1.16583	9.66660	133.020	0.953662	1.52954	1.40874	8.69762	8.55432	10.0140
2013	1.54000	1.11732	9.39770	162.162	0.935148	1.63856	1.37291	8.33556	9.41398	10.0229
2014	1.44881	1.19332	8.86525	174.733	0.928247	1.68076	1.43301	8.86611	10.76930	11.3176
2015	1.38573	1.27283	8.99548	167.116	0.935104	1.91785	1.37478	9.47221	12.20690	11.5742
2016	1.34433	1.27534	9.34283	157.018	1.092780	1.80503	1.36826	9.48128	11.58810	12.2295
2017	1.42413	1.18747	9.27343	160.785	1.054020	1.78837	1.38967	8.84056	11.68500	11.7238
2018	1.39079	1.21424	9.53107	154.141	1.095500	1.89153	1.36451	9.06709	12.11060	12.4768
2019	1.38283	1.23588	9.66184	150.894	1.053860	1.80583	1.34362	9.23156	12.16850	12.8879
2020	1.44027	1.18385	9.41203	149.255	1.073230	1.85161	1.28162	8.80553	12.57700	11.9614
2021	1.39959	1.23748	8.91599	159.848	1.041830	1.79808	1.28791	9.20217	12.38880	12.7593
2020 Dec.	1.44027	1.18385	9.41203	149.255	1.073230	1.85161	1.28162	8.80553	12.57700	11.9614
2021 Jan.	1.44080	1.18721	9.30960	150.535	1.050300	1.84135	1.28080	8.82924	12.27940	12.0514
Feb.	1.43927	1.18742	9.30691	152.894	1.033590	1.82572	1.30405	8.82979	12.35050	11.9590
Mar.	1.41721	1.20871	9.29731	156.885	1.029650	1.78214	1.33650	8.98949	12.08160	12.3636
Apr.	1.43599	1.18853	9.29861	156.451	1.032190	1.76411	1.30596	8.80375	11.82980	12.0400
May	1.44467	1.18435	9.21175	157.758	1.022770	1.75160	1.29738	8.80716	12.07480	12.0046
June	1.42642	1.20029	9.21311	157.620	1.028940	1.76791	1.31645	8.92554	12.20900	12.1393
July	1.42877	1.20156	9.22526	156.450	1.022890	1.78053	1.29325	8.93711	12.54490	12.2277
Aug.	1.42426	1.20353	9.20073	156.483	1.034390	1.79698	1.30170	8.94943	12.34820	12.2378
Sep.	1.40887	1.21675	9.10606	157.667	1.048660	1.80099	1.31934	9.04781	12.36820	12.3855
Oct.	1.41538	1.21544	9.04486	160.858	1.026830	1.75281	1.28948	9.04159	11.85000	12.0583
Nov.	1.40080	1.23277	8.92530	159.411	1.049950	1.79190	1.28712	9.16792	12.67230	12.6469
Dec.	1.39959	1.23748	8.91599	159.848	1.041830	1.79808	1.28791	9.20217	12.38880	12.7593
2022 Jan.	1.39178	1.24756	8.85089	160.653	1.038330	1.77021	1.29986	9.28428	12.48620	13.0564
Feb.	1.39486	1.24553	8.80282	161.176	1.041370	1.77120	1.28565	9.26715	12.38860	13.2894
Mar.	1.38240	1.24529	8.76816	169.206	1.053220	1.72745	1.27886	9.26235	12.09310	12.8067
Apr.	1.34430	1.27543	8.85442	174.625	1.069500	1.71963	1.30471	9.49109	12.43860	13.1293
May	1.34970	1.25987	8.99062	173.032	1.072130	1.70710	1.29578	9.37269	12.72250	13.2277
June	1.32778	1.27831	8.88920	181.415	1.096520	1.71098	1.27374	9.50959	13.22850	13.5691
July	1.32360	1.29790	8.90599	176.039	1.086520	1.69738	1.25954	9.66137	12.87810	13.4163
Aug.	1.30134	1.30134	8.97070	180.379	1.120300	1.70619	1.27545	9.67820	12.93380	13.8835
Sep.	1.27988	1.31297	9.08174	185.250	1.156590	1.74885	1.25364	9.76381	13.89620	14.2357
Oct.	1.28329	1.29443	9.35891	190.236	1.112280	1.75157	1.28310	9.63623	13.33620	14.1058
Nov.	1.31484	1.26719	9.39038	182.500	1.094700	1.77609	1.24864	9.42356	13.00750	13.8837
2022 Oct. 24	1.27719	1.29651	9.27059	186.470	1.129810	1.75256	1.28000	9.64404	13.47330	14.3491
25	1.27795	1.29597	9.33829	190.415	1.127940	1.74287	1.28121	9.64032	13.46640	14.2485
26	1.29060	1.28764	9.31576	191.215	1.115850	1.75069	1.27730	9.57753	13.31520	14.1047
27	1.29039	1.28563	9.33393	188.539	1.116110	1.74809	1.27781	9.56343	13.29600	14.0255
28	1.28542	1.29175	9.31619	188.442	1.114170	1.75010	1.27931	9.61354	13.26560	14.1445
31	1.28329	1.29443	9.35891	190.236	1.112280	1.75157	1.28310	9.63623	13.33620	14.1058
Nov. 1	1.28571	1.29256	9.35235	191.223	1.112350	1.75036	1.27741	9.62158	13.16280	14.0476
2	1.28335	1.29527	9.34038	189.346	1.115670	1.74921	1.27841	9.64078	13.26200	14.1017
3	1.27321	1.30545	9.31480	.	1.135680	1.75053	1.29059	9.71685	13.51700	14.2298
4	1.27835	1.29492	9.29040	189.515	1.140160	1.72794	1.28608	9.63670	13.21070	14.2444
7	1.28755	1.28846	9.33376	189.296	1.124890	1.73730	1.27448	9.58515	13.21380	14.0130
8	1.28805	1.28857	9.34903	188.700	1.123370	1.73127	1.27556	9.58414	13.24580	13.9885
9	1.29022	1.28521	9.35191	188.011	1.125800	1.73922	1.26777	9.59599	13.26590	13.8571
10	1.28501	1.29094	9.31784	188.035	1.129720	1.71908	1.27170	9.60218	13.37610	13.9977
11	1.30910	1.26998	9.30362	186.481	1.113130	.	1.25346	9.44662	13.03440	13.8001
14	1.30868	1.26822	9.20980	182.691	1.112110	1.73897	1.23978	9.43334	13.08080	13.5969
15	1.31597	1.26487	9.25420	184.736	1.108470	1.74892	1.23761	9.40902	13.10020	13.6437
16	1.31533	1.26328	9.30137	183.528	1.105410	1.75084	1.23641	9.39708	13.09710	13.7311
17	1.31068	1.27017	9.33628	182.762	1.105040	1.74976	1.24312	9.44796	13.33420	13.7421
18	1.31247	1.26613	9.35016	184.034	1.101800	1.75673	1.25032	9.41815	13.27660	13.9331
21	1.30406	1.27275	9.34317	182.946	1.104480	1.75422	1.24922	9.46629	13.35080	13.9473
22	1.30726	1.27240	9.35725	185.697	1.100720	1.75121	1.24824	9.46369	13.28970	13.9666
23	1.30886	1.26766	9.35716	.	1.096430	1.75282	1.24499	9.42756	13.14040	13.9015
28	1.31711	1.25883	9.48308	183.158	1.089110	1.77191	1.24171	9.36154	13.04650	13.7205
29	1.31425	1.26785	9.41646	182.484	1.093070	1.78449	1.24821	9.42854	13.09850	13.8052
30	1.31484	1.26719	9.39038	182.500	1.094700	1.77609	1.24864	9.42356	13.00750	13.8837
Dec. 1	1.32086	1.26349	9.34641	179.966	1.085650	1.77430	1.24940	9.39699	12.95020	13.8629
2	1.32836	1.26054	9.35506	179.992	1.081900	1.78903	1.23982	9.37506	12.93500	13.7048
5	1.33016	1.25641	9.26166	179.146	1.083230	1.79997	1.24310	9.34387	12.98700	13.7232
6	1.32609	1.26102	9.27480	181.011	1.085620	1.80998	1.24685	9.37946	13.16610	13.7876
7	1.32372	1.25721	9.23984	181.707	1.089880	1.80555	1.24774	9.35139	13.23280	13.7929
8	1.32531	1.25992	9.23796	180.998	1.088690	1.80004	1.24798	9.37154	13.21410	13.7393
9	1.32897	1.25861	9.23549	181.909	1.083540	1.81138	1.23933	9.36137	13.25880	13.7060
12	1.32821	1.25753	9.26355	181.659	1.081910	1.81407	1.23769	9.35340	13.27310	13.7446
13	1.32650	1.25794	9.25669	182.792	1.079200	1.79701	1.24300	9.35795	13.16800	13.6652
14	1.33390	1.25260	9.26990	180.783	1.078330	1.80890	1.23792	9.31836	12.97950	13.6156

Source: IMF, Washington. * See Explanatory notes, pp. 50-51. 1 ISO currency code: XDR.

VI. Global exchange rate arrangements and monetary policy framework *

As of end-April 2021

Exchange rate arrangement	Monetary policy framework						
	Exchange rate target				Monetary aggregate target	Inflation-targeting framework	Other 1
	Exchange rate anchor						
	US dollar	Euro	Composite	Other			
No separate legal tender	Ecuador El Salvador Marshall Islands Micronesia, Federated States of Palau Panama Timor-Leste	Andorra 2 Kosovo Montenegro San Marino		Kiribati Nauru Tuvalu			
Currency board	Djibouti Hong Kong ECCU 4 Antigua & Barbuda Dominica Grenada Saint Kitts and Nevis Saint Lucia Saint Vincent and the Grenadines	Bosnia and Herzegovina Bulgaria 3		Brunei Darussalam			
Conventional peg	Aruba Bahamas Bahrain Barbados Belize Curaçao and Sint Maarten (southern part) Eritrea Iraq Jordan Oman Qatar Saudi Arabia Turkmenistan United Arab Emirates	Cabo Verde Comoros Denmark 3 Sao Tome and Principe WAEMU 6 Benin Burkina Faso Côte d'Ivoire Guinea-Bissau Mali Niger Senegal Togo CAEMC 7 Cameroon Central African Republic Chad Congo Equatorial Guinea Gabon	Fiji Libya	Bhutan Eswatini Lesotho Namibia Nepal	Samoa 5		
Stabilised arrangement	Cambodia Guyana Iran, Islamic Republic of 8 Lebanon Maldives Trinidad and Tobago	Croatia 3 North Macedonia	Singapore		Algeria 8 Bangladesh 8 Bolivia, Plurinational State of 8 Gambia 8,11 Nigeria 8 Papua New Guinea 8 Suriname 8 Tajikistan 8,9 Tanzania, United Republic of 8	Guatemala 8 Serbia	Azerbaijan 8 Egypt 8,9,10 Mongolia 9 Sudan 8,10
Crawling peg	Honduras Nicaragua		Botswana				
Pegged exchange rate within horizontal bands			Morocco				

Source: Annual Report on Exchange Arrangements and Exchange Restrictions 2021, Table 4, IMF, Washington. * See Explanatory notes, pp. 51-52. ¹ Includes countries that have no explicitly stated nominal anchor, but rather monitor various indicators in conducting monetary policy. ² IMF-member since 16 October 2020. ³ The member parti-

cipates in ERM II. ⁴ The members participate in the Eastern Caribbean Currency Union. ⁵ The country maintains a de facto exchange rate anchor to a composite. ⁶ The members participate in the West African Economic and Monetary Union. ⁷ The members participate in the Central African Economic and Monetary Community. ⁸ The

VI. Global exchange rate arrangements and monetary policy framework *

As of end-April 2021

Exchange rate arrangement	Monetary policy framework						
	Exchange rate target				Monetary aggregate target	Inflation-targeting framework	Other 1
	Exchange rate anchor						
	US dollar	Euro	Composite	Other			
Crawl-like-arrangement			Viet Nam 8		Afghanistan 8 Burundi 8 China 5 Congo, Democratic Republic of the 8,10,11 Ethiopia 8,10,11 Guinea 8,10,11 Rwanda 8	Costa Rica Dominican Republic 8 Ghana 8 Philippines 8 Romania 12 Uzbekistan 8	Argentina 8 Lao People's Democratic Republic 8 Malawi 8 Mauritania 8 Mozambique 8,9 Solomon Islands 5,10,11 South Sudan 8 Switzerland 12 Tunisia 9,12 Zambia 8
Other managed arrangement			Kuwait Syrian Arab Republic		Liberia 10,11 Myanmar Sierra Leone Zimbabwe	Kenya	Haiti 8,11 Kyrgyzstan Tonga Vanuatu Venezuela, Bolivarian Republic of
Floating					Angola Belarus Madagascar Yemen 11	Albania Armenia Brazil 13 Colombia Georgia Hungary Iceland India 13 Indonesia 13 Israel Jamaica Kazakhstan Korea, Republic of Moldova, Republic of New Zealand Paraguay Peru 10 Seychelles Sri Lanka 13 South Africa Thailand 13 Turkey Uganda Ukraine Uruguay	Malaysia Mauritius Pakistan 9
Free floating						Australia Canada Chile Czechia Japan Mexico Norway Poland 13 Russian Federation Sweden 13 United Kingdom	Somalia 14 United States Euro area Austria Belgium Cyprus Estonia Finland France Germany Greece Ireland Italy Latvia Lithuania Luxembourg Malta Netherlands Portugal Slovakia Slovenia Spain

country maintains a de facto exchange rate anchor to the US dollar. ⁹ The central bank is in transition towards inflation targeting. ¹⁰ The exchange rate arrangement was reclassified twice during this reporting period. ¹¹ The exchange rate arrangement or monetary policy framework was reclassified retroactively, overriding a previously

published classification. ¹² The country maintains a de facto exchange rate anchor to the euro. ¹³ The monetary policy framework is referred to as "flexible inflation-targeting". ¹⁴ Currently the Central Bank of Somalia does not have a monetary policy framework.

VII. ISO currency codes *

ISO code	Currency	Country ¹ or territory	ISO code	Currency	Country ¹ or territory	ISO code	Currency	Country ¹ or territory
AED	United Arab Emirates dirham	United Arab Emirates	CUP	Cuban peso	Cuba	GMD	Dalasi	Gambia
AFN	Afghani	Afghanistan	CVE	Cabo Verde escudo	Cabo Verde	GNF	Guinean franc	Guinea
ALL	Albanian lek	Albania	CZK	Czech koruna	Czechia	GTQ	Quetzal	Guatemala
AMD	Armenian dram	Armenia				GYP	Guyana dollar	Guyana
ANG	Netherlands Antillean guilder	Curaçao Sint Maarten (southern part)	DJF	Djibouti franc	Djibouti	HKD	Hong Kong dollar	Hong Kong
AOA	Kwanza	Angola	DKK	Danish krone	Denmark Faroe Islands Greenland	HNL	Lempira	Honduras
ARS	Argentine peso	Argentina	DOP	Dominican peso	Dominican Republic	HRK	Kuna	Croatia
AUD	Australian dollar	Australia Christmas Island Cocos Islands Kiribati Nauru Norfolk Island Tuvalu	DZD	Algerian dinar	Algeria	HTG	Gourde	Haiti
			EGP	Egyptian pound	Egypt	HUF	Hungarian forint	Hungary
AWG	Aruban florin	Aruba	ERN	Nakfa	Eritrea	IDR	Indonesian rupiah	Indonesia
AZN	Azerbaijani manat	Azerbaijan	ETB	Birr	Ethiopia	ILS	New shekel	Israel
			EUR	Euro	Austria Belgium Cyprus Estonia Finland France Germany Greece Ireland Italy Latvia Lithuania Luxembourg Malta Netherlands Portugal Slovakia Slovenia Spain	INR	Indian rupee	India Bhutan
BAM	Convertible marka	Bosnia and Herzegovina				IQD	Iraqi dinar	Iraq
BBD	Barbados dollar	Barbados				IRR	Iranian rial	Iran, Islamic Republic of
BDT	Taka	Bangladesh				ISK	Icelandic krona	Iceland
BGN	Bulgarian lev	Bulgaria						
BHD	Bahraini dinar	Bahrain				JMD	Jamaican dollar	Jamaica
BIF	Burundi franc	Burundi				JOD	Jordanian dinar	Jordan
BMD	Bermudian dollar	Bermuda				JPY	Japanese yen	Japan
BND	Brunei dollar	Brunei Darussalam						
BOB	Boliviano	Bolivia, Plurinational State of				KES	Kenya shilling	Kenya
BRL	Brazilian real	Brazil				KGS	Kyrgyz som	Kyrgyzstan
BSD	Bahamian dollar	Bahamas				KHR	Riel	Cambodia
BTN	Ngultrum	Bhutan				KMF	Comorian franc	Comoros
BWP	Pula	Botswana				KPW	North Korean won	Korea, Democratic People's Republic of
BYN	Belarusian rouble	Belarus				KRW	South Korean won	Korea, Republic of
BZD	Belize dollar	Belize				KWD	Kuwaiti dinar	Kuwait
						KYD	Cayman Islands dollar	Cayman Islands
						KZT	Tenge	Kazakhstan
CAD	Canadian dollar	Canada	FJD	Fiji dollar	Fiji			
CDF	Congo franc	Congo, Democratic Republic of the	FKP	Falkland Islands pound	Falkland Islands (Islas Malvinas)	LAK	Kip	Lao People's Democratic Republic
CHF	Swiss franc	Switzerland Liechtenstein				LBP	Lebanese pound	Lebanon
CLP	Chilean peso	Chile	GBP	Pound sterling	United Kingdom Guernsey Isle of Man Jersey	LKR	Sri Lanka rupee	Sri Lanka
CNY	Chinese renminbi	China	GEL	Lari	Georgia	LRD	Liberian dollar	Liberia
COP	Colombian peso	Colombia	GHS	Ghana cedi	Ghana	LSL	Loti	Lesotho
CRC	Costa Rican colón	Costa Rica	GIP	Gibraltar pound	Gibraltar	LYD	Libyan dinar	Libya

* Extracted and compiled from ISO communications. ¹ See Explanatory notes on individual countries, pp. 53 ff.

VII. ISO currency codes (cont'd) *

ISO code	Currency	Country ¹ or territory	ISO code	Currency	Country ¹ or territory	ISO code	Currency	Country ¹ or territory
MAD	Moroccan dirham	Morocco Western Sahara	SAR	Saudi riyal	Saudi Arabia	UYU	Uruguayan peso	Uruguay
MDL	Moldovan leu	Moldova, Republic of	SBD	Solomon Islands dollar	Solomon Islands	UZS	Uzbekistan sum	Uzbekistan
MGA	Ariary	Madagascar	SCR	Seychelles rupee	Seychelles			
MKD	North Macedonia denar	North Macedonia	SDG	Sudanese pound	Sudan	VED	Bolívar	Venezuela, Bolivarian Republic of 1
MMK	Kyat	Myanmar	SEK	Swedish krona	Sweden	VES	Bolívar	Venezuela, Bolivarian Republic of
MNT	Togrog	Mongolia	SGD	Singapore dollar	Singapore	VND	Dong	Viet Nam
MOP	Pataca	Macao	SHP	Saint Helena pound	Saint Helena, Ascension and Tristan da Cunha	VUV	Vatu	Vanuatu
MRU	Ouguiya	Mauritania	SLE	Leone (new)	Sierra Leone ¹	WST	Tala	Samoa
MUR	Mauritian rupee	Mauritius	SLL	Leone (old)	Sierra Leone			
MVR	Rufiyaa	Maldives	SOS	Somali shilling	Somalia	XAF	CFA franc	Cameroon Central African Republic Chad Congo Equatorial Guinea Gabon
MWK	Malawi kwacha	Malawi	SRD	Suriname dollar	Suriname			
MXN	Mexican peso	Mexico	SSP	South Sudanese pound	South Sudan			
MYR	Malaysian ringgit	Malaysia	STN	Dobra	Sao Tome and Principe			
MZN	Metical	Mozambique	SVC	El Salvador colón	El Salvador	XCD	East Caribbean dollar	Anguilla Antigua and Barbuda Dominica Grenada Montserrat Saint Kitts and Nevis Saint Lucia Saint Vincent and the Grenadines
NAD	Namibia dollar	Namibia	SYP	Syrian pound	Syrian Arab Republic			
NGN	Naira	Nigeria	SZL	Lilangeni	Eswatini	XOF	CFA franc	Benin Burkina Faso Côte d'Ivoire Guinea-Bissau Mali Niger Senegal Togo
NIO	Córdoba	Nicaragua	THB	Thai baht	Thailand			
NOK	Norwegian krone	Norway Spitzbergen/ Spitsbergen	TJS	Somoni	Tajikistan			
NPR	Nepalese rupee	Nepal	TMT	Turkmen manat	Turkmenistan			
NZD	New Zealand dollar	New Zealand Cook Islands Niue Pitcairn Islands Group Tokelau	TND	Tunisian dinar	Tunisia			
			TOP	Pa'anga	Tonga			
			TRY	Turkish lira	Turkey			
			TTD	Trinidad and Tobago dollar	Trinidad and Tobago	XPF	CFP franc	New Caledonia French Polynesia Wallis and Futuna (Islands)
OMR	Rial Omani	Oman	TWD	New Taiwan dollar	China (Taiwan)			
PAB	Balboa	Panama	TZS	Tanzania shilling	Tanzania, United Republic of	YER	Yemeni rial	Yemen
PEN	Sol	Peru	UAH	Hryvnia	Ukraine	ZAR	South African rand	South Africa Lesotho Namibia
PGK	Kina	Papua New Guinea	UGX	Uganda shilling	Uganda			
PHP	Philippine peso	Philippines	USD	US dollar	United States American Samoa Bonaire British Virgin Islands Ecuador El Salvador Guam Marshall Islands Micronesia, Federated States of Northern Mariana Islands Palau Panama Puerto Rico Saba Saint Eustatius Timor-Leste Turks and Caicos Islands Virgin Islands of the United States	ZMW	Kwacha	Zambia
PKR	Pakistani rupee	Pakistan				ZWL	Zimbabwe dollar	Zimbabwe
PLN	Polish zloty	Poland						
PYG	Guaraní	Paraguay						
QAR	Qatari riyal	Qatar						
RON	Romanian leu	Romania						
RSD	Serbian dinar	Serbia						
RUB	Russian rouble	Russian Federation						
RWF	Rwanda franc	Rwanda						

* Extracted and compiled from ISO communications. 1 See Explanatory notes on individual countries, pp. 53 ff.

■ Explanatory notes

■ Euro foreign exchange reference rates of the European Central Bank

On 1 January 1999, 11 Member States of the European Union initially adopted the euro as their single currency. On 1 January 2001, Greece joined the euro area, followed by Slovenia on 1 January 2007, Cyprus and Malta on 1 January 2008, Slovakia on 1 January 2009, Estonia on 1 January 2011, Latvia on 1 January 2014 and Lithuania on 1 January 2015 (for details, see Table I. 1., p. 7).

Since the introduction of the euro, there has been no autonomous foreign exchange market for the currencies replaced by the euro; the euro alone is quoted against non-euro area currencies, such as the US dollar and the Japanese yen.

Since 4 January 1999, the ECB has published euro foreign exchange reference rates for selected currencies each working day. These rates are calculated on the basis of the daily concertation between central banks which takes place at 14:15 CET. Only one reference rate, i. e. the middle rate, is established by this procedure. The ECB changed the publication time of the euro foreign exchange reference rates from around 14:30 CET to around 16:00 CET with effect from 1 July 2016. For information on the framework for the euro foreign exchange reference rates, see the ECB's website: <https://www.ecb.europa.eu/stats/pdf/exchange/Frameworkfortheeuroforeignexchangereserates.en.pdf?c883afa875c74877fdf4634dcb85688c>.

■ Effective euro exchange rates

The indices of the nominal effective exchange rates of the euro are designed to measure, in aggregated form, the impact of changes in exchange rates on the price competitiveness of the euro area economy as a whole. They are calculated by the Deutsche Bundesbank on the basis of weighted averages of the bilateral euro exchange rates against the currencies of selected trading partners of the euro area, with Q1 1999 = 100. An increase in the index rate indicates an appreciation of the euro and thus, taken in isolation, a negative impact on the price competitiveness of the domestic economy. The weights are based on the trade in manufactured goods (Sections 5 to 8 of the Standard International Trade Classification (SITC)) and

services (Extended Balance of Payments Services Classification (EBOPS) – Total EBOPS services) and also reflect third-market effects.

The table entitled "Overall trade weights used in the calculation of the effective exchange rates (EER) of the euro" on page 49 shows trading partners' membership of the EER-19 and EER-42 groups as well as their percentage weights. To prevent breaks in the time series, the indices of two consecutive weighting periods are chain-linked beyond the end of the preceding period. See the ECB's website for information on the revised trade weights published from July 2020 (<https://www.ecb.europa.eu/stats/pdf/exchange/updatedtradeweights201708202007.pdf?f184ad85cc2c5ccefd05680706893cde>).

The real effective exchange rates of the euro additionally take account of the differences in price movements between the groups of countries under review. If the current price indices for determining the real effective exchange rate based on consumer price indices are not yet available, estimates are used for the calculation.

For further information on the calculation method, see the ECB's methodological notes relating to the daily nominal effective exchange rate of the euro and ECB Occasional Paper No 134 of June 2012, which can be downloaded from the ECB's website (www.ecb.europa.eu).

■ Indicators of the German economy's price competitiveness

The calculation of indicators of the German economy's price competitiveness is methodically consistent with the ECB's procedure for determining the effective exchange rates of the euro. For more detailed information on methodology and weighting scale, see the website of the Deutsche Bundesbank (<https://www.bundesbank.de/content/796162>).

The indicators are broken down into three groups in Table III. 3. (p. 17).

The group of 26 selected industrialised countries comprises the respective composition of euro area countries (see Table I. 1., p. 7) as well as Canada, Denmark, Japan,

Overall trade weights used in the calculation of the effective exchange rates (EER) of the euro°

Figures in %

As of July 2020

Trading partner	Calculation period for weights ¹											
	EER-19						EER-42					
	1995 to 1997	1998 to 2000	2007 to 2009	2010 to 2012	2013 to 2015	2016 to 2018	1995 to 1997	1998 to 2000	2007 to 2009	2010 to 2012	2013 to 2015	2016 to 2018
	Period of use of weights ¹											
	Up to end of 1997	1998 to 2000 ²	2007 to 2009	2010 to 2012	2013 to 2015	From 2016	Up to end of 1997	1998 to 2000 ²	2007 to 2009	2010 to 2012	2013 to 2015	From 2016
EER-42 group							100	100	100	100	100	100
EER-19 group	100	100	100	100	100	100						
Australia	1.00	0.90	1.04	1.14	1.04	1.01	0.82	0.75	0.82	0.89	0.82	0.80
Bulgaria	0.27	0.31	0.63	0.59	0.63	0.67	0.22	0.26	0.50	0.46	0.49	0.53
Canada	1.84	1.95	1.89	1.86	1.80	1.76	1.51	1.61	1.50	1.45	1.42	1.39
China	4.13	4.86	13.65	16.69	17.48	17.55	3.38	4.01	10.83	13.05	13.76	13.88
Croatia	0.66	0.55	0.75	0.59	0.58	0.64	0.54	0.45	0.60	0.46	0.45	0.51
Czechia	2.37	2.52	4.34	4.35	4.24	4.57	1.94	2.08	3.45	3.40	3.33	3.62
Denmark	3.14	2.81	2.92	2.51	2.42	2.36	2.57	2.33	2.32	1.96	1.91	1.86
Hong Kong	3.63	3.30	2.61	2.58	2.56	2.26	2.96	2.73	2.07	2.02	2.01	1.79
Hungary	1.62	2.17	2.86	2.61	2.68	2.81	1.32	1.79	2.27	2.04	2.11	2.22
Japan	10.01	9.05	6.23	5.86	4.81	4.86	8.18	7.47	4.94	4.59	3.78	3.85
Korea, Republic of	2.86	2.56	3.29	3.21	3.07	2.98	2.33	2.11	2.61	2.51	2.42	2.36
Norway	1.69	1.59	1.73	1.59	1.44	1.27	1.38	1.31	1.37	1.24	1.14	1.00
Poland	2.59	2.95	5.53	5.71	5.94	6.48	2.12	2.43	4.39	4.47	4.67	5.13
Romania	0.71	0.80	1.83	1.87	2.09	2.33	0.58	0.66	1.45	1.46	1.65	1.84
Singapore	2.39	2.06	2.06	2.21	2.07	2.17	1.95	1.70	1.64	1.73	1.63	1.72
Sweden	5.11	4.89	4.45	4.30	4.09	3.91	4.17	4.03	3.53	3.36	3.22	3.10
Switzerland	9.70	8.60	8.15	8.33	7.81	7.35	7.92	7.10	6.46	6.51	6.14	5.82
United Kingdom	22.91	22.40	17.07	15.53	15.74	15.09	18.72	18.49	13.55	12.14	12.39	11.94
United States	23.37	25.73	18.97	18.47	19.51	19.93	19.09	21.24	15.05	14.44	15.35	15.77
Additional countries in the EER-42 group												
Algeria							0.36	0.32	0.40	0.39	0.40	0.30
Argentina							0.53	0.50	0.35	0.44	0.36	0.34
Brazil							1.28	1.24	1.43	1.58	1.39	1.16
Chile							0.34	0.30	0.41	0.40	0.32	0.27
China (Taiwan)							1.82	1.88	1.26	1.28	1.16	1.22
Colombia							0.21	0.17	0.19	0.20	0.20	0.18
Iceland							0.07	0.08	0.10	0.09	0.09	0.11
India							1.13	1.16	2.27	2.64	2.64	2.84
Indonesia							0.81	0.61	0.54	0.64	0.62	0.62
Israel							1.04	1.04	0.75	0.79	0.84	0.91
Malaysia							1.13	1.01	0.95	0.96	0.92	0.87
Mexico							0.76	1.07	1.04	1.13	1.20	1.32
Morocco							0.53	0.60	0.66	0.64	0.66	0.72
New Zealand							0.17	0.13	0.14	0.14	0.15	0.15
Peru							0.13	0.10	0.12	0.15	0.15	0.16
Philippines							0.36	0.45	0.34	0.33	0.39	0.42
Russian Federation							2.29	1.75	3.11	3.34	3.08	2.56
Saudi Arabia							0.46	0.42	0.66	0.68	0.80	0.75
South Africa							0.88	0.82	0.89	0.84	0.75	0.71
Thailand							1.13	0.89	0.95	0.99	1.05	1.16
Turkey							2.00	2.09	2.59	2.66	2.68	2.59
Ukraine							0.43	0.36	0.66	0.60	0.44	0.41
United Arab Emirates							0.44	0.46	0.84	0.91	1.02	1.10

° Weights based on trade in goods and services. Figures have been rounded. In addition, the ECB publishes weighting schemes and indicators for a group of 12 countries.
¹ Selected calculation periods; for a comprehensive overview, see <https://www.bundesbank.de/en/statistics/exchange-rates/effective-exchange-rates/-/methodology-and-quality-796162>. ² Including the reference period of the indices.

Norway, Sweden, Switzerland, the United Kingdom and the United States.

The group of 37 countries comprises the euro area countries and the countries of the EER-19 group; the group of 60 countries consists of the euro area countries as well as the countries of the EER-42 group.

■ Overview of world currencies

The end-of-month exchange rates listed in Table IV. 1. (pp. 18-40) are the latest rates known to us at the end of a given month; in general, they have been taken from reliable sources (central bank or a commercial bank in the country in question). However, we do not know whether transactions were actually executed at those rates in all cases. If no exchange rates for euro or US dollar are available from a country, we have calculated comparative values at the exchange rates or parities available and identified them with a "V" in the column "type of rate".

The previous-year average specified in this table was basically calculated from all of the rates or comparable figures available to us.

In addition to the generally accepted currency name and its abbreviation, the three-character alphabetical ISO currency code is specified (see Table VII., pp. 46-47). This was developed by the International Organization for Standardization as ISO Standard 4217. This currency code is designed to enable uniformly abbreviated designations for currency-related values to be used in international financial transactions. This applies, inter alia, to all external payments under the SWIFT system. The ISO code should not, however, be confused with the official national currency abbreviations.

■ Value of the special drawing right

The value of a SDR (ISO code: XDR) is currently defined as the sum of the values of fixed amounts of five currencies.

The composition of the currency basket as well as the weights and amounts of the currency units in the basket are generally reviewed every five years. As a result of the latest review, conducted in 2022, since 1 August 2022, the SDR basket has contained the fixed currency amounts shown in column (a). These were fixed on 29 July 2022 on the basis of the average exchange rates in the London spot exchange market over the preceding three-month period (2 May to 29 July, 2022) and the initial new percentage

weights (column b) such that, on 29 July 2022, the new SDR value corresponded with the value calculated on the basis of the old basket (see <https://www.imf.org/en/Publications/Policy-Papers/Issues/2022/07/29/Review-of-the-Method-of-Valuation-of-the-SDR-Amendment-to-Rule-O-1-521564>).

	(a)	(b)
US dollar	0.57813	43.38
Euro	0.37379	29.31
Chinese yuan (renminbi)	1.0993	12.28
Japanese yen	13.452	7.59
Pound sterling	0.080870	7.44

The above-mentioned currency amounts are converted into US dollar amounts on the basis of the market rates on every business day. In principle, the middle rates between the buying and selling rates fixed at noon in the London spot exchange market are used as market rates. The sum of the US dollar equivalents of the currency amounts yields the value of the SDR expressed in terms of the US dollar. Values of the SDR in terms of all other currencies are ascertained, using the value for the SDR in terms of the US dollar, from the representative market exchange rates of these currencies vis-à-vis the US dollar; for the euro, it is the foreign exchange reference rate of the European Central Bank.

The current criteria for inclusion were adopted by the Executive Board in 2000. They establish that the SDR basket comprises the currencies that are issued by member countries or monetary unions whose exports had the largest value over a five-year period, and have been determined by the IMF to be "freely usable". In the case of a monetary union, exports of goods and services do not cover cross-border trade between the members of the monetary union.

The export criterion, which acts as a "gateway", aims to ensure that currencies that qualify for the basket are those issued by member countries or monetary unions that play a central role in the global economy. This criterion has been part of the SDR methodology since the 1970s.

The requirement for currencies in the SDR basket to be also freely usable is the second criterion, and it was incorporated in 2000 to reflect formally the importance of financial transactions for the purposes of valuing the SDR basket.

A "freely usable" currency is defined in the IMF's Articles of Agreement to mean a currency that the IMF determines

is, in fact, widely used to make payments for international transactions, and is widely traded in the major exchange markets. The concept of a freely usable currency concerns the actual international use and trading of a currency, and is different from whether a currency is either freely floating or fully convertible. A currency can be widely used and widely traded even if it is subject to some capital account restrictions. On the other hand, a currency that is fully convertible is not necessarily widely used and widely traded.

The formula adopted by the IMF for determining currency weights for the SDR basket assigns equal shares to the currency issuer's exports and a composite financial indicator. The financial indicator comprises, in equal shares, official reserves denominated in the member country's (or monetary union's) currency that are held by other monetary authorities that are not issuers of the relevant currency, foreign exchange turnover in the relevant currency, and the sum of all outstanding international bank liabilities and international debt securities denominated in the currency.

The IMF uses the SDR as unit of account for its transactions and for all conversions into national currencies. In addition, the SDR is used by public and private bodies in Germany and abroad, inter alia as the "successor" to those units of account which had hitherto been defined in terms of gold (e.g. gold francs).

Global exchange rate arrangements and monetary policy framework

The overview of the exchange rate arrangements and monetary policy framework as at the end of April 2021 (see Table VI., pp. 44-45) is based on the IMF's "Annual Report on Exchange Arrangements and Exchange Restrictions 2021", which can be accessed online (<https://www.elibrary-areaer.imf.org>).

The IMF's classification system is generally based on the actual, de facto exchange rate regimes identified and operating in member countries. These may differ from the official, de jure exchange rate arrangements in these countries.

Exchange rate arrangements are primarily classified on the basis of the degree to which the exchange rate is determined by the market rather than by official action, with market-determined exchange rates being on the whole more flexible. The IMF's system distinguishes between

four major categories. The category "hard pegs" (fixed exchange rate anchors) is subdivided into exchange arrangements with no separate legal tender and currency board arrangements (institutionalised, unilateral exchange rate peg). The category "soft pegs" (less stringent exchange rate anchors) comprises conventional fixed peg arrangements (exchange rate guarantee but no irrevocable parity), stabilised arrangements (exchange rate within a narrow band without any political obligation), crawling pegs (moving central rate without a band), crawl-like arrangements (moving central rate with an annual minimum rate of change) and pegged exchange rates within horizontal bands. The category "floating regimes" (market-determined rates) distinguishes between free-floating rates (intervention in exceptional cases only) and floating rates (more frequent modes of intervention). All other exchange rate arrangements are grouped under the category "residual" (other managed arrangements). The classification system presents members' exchange rate arrangements against alternative monetary policy frameworks in order to highlight the role of the exchange rate in broad economic policy and to illustrate that different exchange rate arrangements can be consistent with similar monetary frameworks.

The monetary policy frameworks listed are as follows.

Exchange rate anchor

The monetary authority buys or sells foreign exchange to maintain the exchange rate at its predetermined level or within a range. The exchange rate thus serves as the nominal anchor or intermediate target of monetary policy. These frameworks are associated with exchange rate arrangements with no separate legal tender, currency board arrangements, pegs (or stabilised arrangements) with or without bands, crawling pegs (or crawl-like arrangements) and other managed arrangements.

Monetary aggregate target

The monetary authority uses its instruments to achieve a target growth rate for a monetary aggregate, such as reserve money, M1 or M2, and the targeted aggregate becomes the nominal anchor or intermediate target of monetary policy.

Inflation-targeting framework

This involves the public announcement of numerical targets for inflation, with an institutional commitment by the monetary authority to achieve these targets, typically over a medium-term horizon. Additional key features normally include increased communication with the public and the markets about the plans and objectives of monetary policymakers and increased accountability of the central

bank for achieving its inflation objectives. Monetary policy decisions are often guided by the deviation of forecasts of future inflation from the announced inflation target, with the inflation forecast acting (implicitly or explicitly) as the intermediate target of monetary policy.

Other

The country has no explicitly stated nominal anchor, but rather monitors various indicators in conducting monetary policy. This category is also used when no relevant information on the country is available.

Explanatory notes on individual countries

Argentina

Capital controls were introduced by decree on 1 September 2019 in response to the escalating financial and sovereign debt crisis.

Since 23 December 2019 (the date on which Law 27541 entered into force), Argentina has been levying a tax (Impuesto Para una Argentina Inclusiva y Solidaria – PAÍS) of 30% on transactions such as the following:

- purchases of foreign currency banknotes and foreign exchange, including travellers' cheques, by Argentine residents;
- the exchange of foreign currency intended for the purchase of goods or services or for the purchase of services abroad;
- foreign transactions with Argentine bank cards.

The Argentine Tax Authority (Administración Federal de Ingresos Públicos, or AFIP) has been levying an additional tax of 35% on the aforementioned transactions since 16 September 2020. In July and October 2022, the AFIP increased this additional tax for certain transactions to which it is applied.

Bangladesh

Units of account for larger amounts: 1 lakh (in digits: 1,00,000) = 100,000 taka; 1 crore (in digits: 1,00,00,000) = 100 lakh = 10,000,000 taka.

Benin

Benin, Burkina Faso, Côte d'Ivoire, Guinea-Bissau, Mali, Niger, Senegal and Togo all belong to the West African Economic and Monetary Union (UEMOA = Union Économique et Monétaire Ouest Africaine). The responsible monetary authority is the Banque Centrale des Etats de l'Afrique de l'Ouest, whose CFA franc (F.CFA = Franc de la Communauté Financière Africaine) is legal tender only in the aforementioned countries.

Bhutan

The Indian rupee is likewise legal tender alongside the Bhutanese ngultrum (convertible at par).

Brunei Darussalam

Under an agreement between Brunei Darussalam and Singapore, the Singapore dollar (convertible at par) is also accepted as customary tender.

Burkina Faso

See Explanatory notes on Benin.

Cameroon

Cameroon, the Central African Republic, Chad, Congo, Equatorial Guinea and Gabon all belong to the Central African Economic and Monetary Community (CEMAC = Communauté Économique et Monétaire de l'Afrique Centrale). The responsible monetary authority is the Banque des Etats de l'Afrique Centrale, whose CFA franc (F.CFA = Franc de la Coopération Financière en Afrique Centrale) is legal tender only in the aforementioned countries.

Central African Republic

See Explanatory notes on Cameroon.

Chad

See Explanatory notes on Cameroon.

Congo

See Explanatory notes on Cameroon.

Cook Islands

The New Zealand dollar is also legal tender alongside the Cook Islands dollar (convertible at par).

Côte d'Ivoire

See Explanatory notes on Benin.

Cuba

In addition to the existing official exchange rate of USD 1 = CUP 24, which is to be used only for government sector transactions, a new official exchange rate of USD 1 = CUP 120 was introduced with effect from 4 August 2022.

This is to be applied in the government foreign exchange bureaus (CADECA – casas de cambio) as well as for all transactions by households and enterprises.

It is understood that there is a considerably different, black market rate alongside the official, published exchange rates. According to press reports, this rate was around 175 Cuban pesos at the beginning of December 2022.

The euro is also an accepted form of payment in some tourist locations.

Egypt

With effect from 27 October 2022, the Central Bank of Egypt adopted a more flexible exchange rate regime.

We recorded the following exchange rates (buying/selling):

26 October 2022 USD 1 = EGP 19.67 / 19.73
 EUR 1 = EGP 19.5598 / 19.8227

27 October 2022 USD 1 = EGP 22.85 / 22.95
 EUR 1 = EGP 22.8203 / 23.1634.

Calculated using these exchange rates, the Egyptian pound experienced a devaluation of 14.0% against the US dollar and 14.4% against the euro (calculated on the basis of the middle rates).

El Salvador

The US dollar is likewise legal tender alongside the El Salvador colón.

Equatorial Guinea

See Explanatory notes on Cameroon.

Eswatini

The South African rand is likewise legal tender alongside the lilangeni (convertible at par).

Gabon

See Explanatory notes on Cameroon.

Guinea-Bissau

See Explanatory notes on Benin.

India

Units of account for larger amounts: 1 lakh (in digits: 1,00,000) = 100,000 rupees; 1 crore (in digits: 1,00,00,000) = 100 lakh = 10,000,000 rupees.

Iran, Islamic Republic of

As we have only incomplete information on the extensive changes and regulations in the multiple exchange rate system, the information provided below on applying exchange rates – valid since 6 August 2018 – is intended merely as a guideline.

Central bank rate

For imports of essential goods (e.g. basic foodstuffs and pharmaceuticals).

NIMA rate (see <https://www.sanarate.ir/Default.aspx>)

For other, non-specified goods imports and services. Access to the electronic platform NIMA is possible only for certain importers as well as exchange bureaus.

Bureau de change rate

Used in addition to the regulated central bank and NIMA exchange rates, including for travelling abroad, tuition fees at foreign universities, medical treatment and legal fees abroad.

The term “toman” (an old Persian currency) is also used to denote 10 Iranian rials.

Iraq

The official exchange rate applies only to foreign exchange transactions between the central bank and domestic and foreign commercial banks, public sector institutions, money transfer institutions and foreign exchange bureaux.

Kenya

The term “Kenya pound” is a unit of account equivalent to 20 Kenya shillings.

Korea, Democratic People’s Republic of

We have no exchange rates for the won as of July 2020.

Lebanon

The ongoing liquidity and economic crisis in Lebanon has resulted in a sharp depreciation of the Lebanese pound in

the parallel market that has formed in the meantime. This has prompted Lebanon's central bank to introduce various measures since mid-2020 to contain the resulting foreign currency shortage.

Alongside the existing official exchange rate to the US dollar (LBP 1,507.50), it introduced a bank rate of LBP 3,900 per US dollar. In addition, commercial banks and foreign exchange dealers operating in Lebanon are required to conduct transactions in foreign currency via the central bank's own Sayrafa electronic platform. According to the Lebanese central bank, the exchange rate formed here should reflect the current market situation.

We have the following information on how exchange rates have been applied since the end of August 2021:

Official exchange rate

For specific imports, for example, wheat, medication, medical supplies, selected commodities and for servicing limited retail consumer and housing loans denominated in US dollar.

Bank rate

For limited cash withdrawals from foreign currency accounts at banks in Lebanon.

Sayrafa market rate

For imports of petrol, diesel and gas, and for regulated buying and selling of foreign currencies.

It is understood that there is a considerably different, black market rate alongside the official, published exchange rates. According to press reports, this rate was around 41,000 Lebanese pound at the beginning of December 2022.

Lesotho

The South African rand is likewise legal tender alongside the loti (convertible at par).

Liberia

The US dollar is likewise legal tender alongside the Liberian dollar.

Macao

The Hong Kong dollar, to which the pataca is pegged at a rate of HKD 100 = MOP 103, is in circulation as a common currency alongside the pataca.

Mali

See Explanatory notes on Benin.

Namibia

The South African rand is likewise legal tender alongside the Namibia dollar (convertible at par).

New Caledonia

CFP was originally the abbreviation for "Colonies Françaises du Pacifique" and is still used as a currency symbol (in connection with the franc).

Niger

See Explanatory notes on Benin.

Nigeria

It is understood that there are different bureau de change rates alongside the official, published exchange rate.

Panama

The US dollar is legal tender alongside the balboa, which is in circulation exclusively in coin form.

Senegal

See Explanatory notes on Benin.

Sierra Leone

With effect from 1 July 2022, a currency changeover took place at the ratio of 1,000 (old) leone (SLL) to 1 (new) leone (SLE). The SLL will also remain legal tender at this ratio until the end of March 2023.

Singapore

Under an agreement between Singapore and Brunei Darussalam, the Brunei dollar (convertible at par) is also accepted as customary tender.

Somalia

We have no exchange rates for the Somali shilling.

Syrian Arab Republic

In addition to the bank rates (for credit transfers) shown, the Central Bank of Syria continued to publish official exchange rates of USD 1 = SYP 2,500.00/2,525.00 (buying/selling). We do not have any information on how these rates are applied.

It is also understood that there are significantly different black market rates alongside these rates.

Togo

See Explanatory notes on Benin.

Turkmenistan

It is understood that there is a considerably different, black market rate alongside the official, published exchange rate.

United Arab Emirates

The United Arab Emirates include Abu Dhabi, Ajman, Dubai, Fujairah, Ras al Khaimah, Sharjah and Umm al Qaiwain.

United Kingdom

In Scotland and Northern Ireland, a small volume of banknotes issued by commercial banks in these territories is in circulation alongside notes issued by the Bank of England.

Venezuela, Bolivarian Republic of

With effect from 1 October 2021, a currency changeover took place at the ratio of 1,000,000 (old) bolívar = 1 (new) bolívar. The currency changeover did not entail any appreciation or depreciation against other currencies.

In addition, on 1 October 2021 a new ISO currency code – VED – was introduced alongside the existing VES code. This code is only for internal purposes, however, and is not intended to replace VES as the official currency code.

It is understood that there is a considerably different, black market rate alongside the official, published exchange rate.

Yemen

In addition to central bank rates, there are also commercial bank rates, which vary widely from region to region.

Zimbabwe

With effect from 9 May 2022, a multiple exchange rate system was established, with interbank market rates introduced alongside the official exchange rates (now auction rates). We do not have any information on the exchange rate application.

It is also understood that there are significantly different black market rates alongside these rates.