

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

1. End-of-month and daily rates

EUR 1 = CU ...

Period		EU member countries						
		Bulgaria	Czechia	Denmark	Hungary	Poland	Romania	Sweden
		Bulgarian lev BGN	Czech koruna CZK	Danish krone DKK	Hungarian forint HUF	Polish zloty PLN	Romanian leu RON	Swedish krona SEK
2023 Apr.	1.9558	23.502	7.4538	373.78	4.5815	4.9301	11.3515	
May	1.9558	23.741	7.4480	370.85	4.5368	4.9695	11.6278	
June	1.9558	23.742	7.4474	371.93	4.4388	4.9635	11.8055	
July	1.9558	23.900	7.4529	386.93	4.4070	4.9349	11.5895	
Aug.	1.9558	24.072	7.4523	380.13	4.4673	4.9420	11.8430	
Sep.	1.9558	24.339	7.4571	389.50	4.6283	4.9735	11.5325	
Oct.	1.9558	24.558	7.4647	382.13	4.4405	4.9659	11.8275	
Nov.	1.9558	24.292	7.4548	380.75	4.3490	4.9718	11.4308	
Dec.	1.9558	24.724	7.4529	382.80	4.3395	4.9756	11.0960	
2024 Jan.	1.9558	24.891	7.4550	384.90	4.3330	4.9758	11.2682	
Feb.	1.9558	25.363	7.4540	393.48	4.3208	4.9706	11.2150	
Mar.	1.9558	25.305	7.4580	395.26	4.3123	4.9735	11.5250	
Apr.	1.9558	25.140	7.4583	390.68	4.3178	4.9759	11.7530	
2024 Apr. 12	1.9558	25.337	7.4603	391.63	4.2603	4.9717	11.5699	
15	1.9558	25.324	7.4606	394.25	4.2938	4.9742	11.5583	
16	1.9558	25.210	7.4609	394.63	4.3435	4.9764	11.6350	
17	1.9558	25.228	7.4611	393.00	4.3508	4.9758	11.6793	
18	1.9558	25.254	7.4616	393.93	4.3255	4.9758	11.6370	
19	1.9558	25.267	7.4622	395.30	4.3300	4.9764	11.6640	
22	1.9558	25.275	7.4615	393.90	4.3188	4.9756	11.6015	
23	1.9558	25.256	7.4607	393.63	4.3158	4.9761	11.6030	
24	1.9558	25.242	7.4575	393.35	4.3193	4.9757	11.6225	
25	1.9558	25.152	7.4587	392.98	4.3165	4.9761	11.6390	
26	1.9558	25.164	7.4573	392.28	4.3205	4.9764	11.7052	
29	1.9558	25.175	7.4581	391.64	4.3255	4.9759	11.6850	
30	1.9558	25.140	7.4583	390.68	4.3178	4.9759	11.7530	
May 2	1.9558	25.090	7.4589	388.98	4.3278	4.9763	11.6820	
3	1.9558	25.025	7.4583	388.95	4.3290	4.9761	11.6398	
6	1.9558	24.995	7.4589	389.38	4.3185	4.9688	11.6250	
7	1.9558	25.014	7.4596	389.05	4.3138	4.9757	11.6810	
8	1.9558	25.036	7.4599	388.88	4.3075	4.9757	11.7330	

Period		Other European and non-European countries						
		Australia	Brazil	Canada	China	Hong Kong	Iceland	India
		Australian dollar AUD	Brazilian real BRL	Canadian dollar CAD	Yuan (renminbi) CNY	Hong Kong dollar HKD	Icelandic krona ISK	Indian rupee INR
2023 Apr.	1.6664	5.4872	1.4981	7.5979	8.6199	149.10	89.8555	
May	1.6497	5.4288	1.4582	7.5926	8.3696	149.70	88.3400	
June	1.6398	5.2788	1.4415	7.8983	8.5157	148.70	89.2065	
July	1.6436	5.2031	1.4566	7.8808	8.5966	144.30	90.6690	
Aug.	1.6785	5.3082	1.4721	7.9196	8.5250	142.30	89.9293	
Sep.	1.6339	5.3065	1.4227	7.7352	8.2959	144.90	88.0165	
Oct.	1.6739	5.3743	1.4712	7.7686	8.3079	147.50	88.4195	
Nov.	1.6542	5.3984	1.4870	7.8008	8.5384	150.70	91.1143	
Dec.	1.6263	5.3618	1.4642	7.8509	8.6314	150.50	91.9045	
2024 Jan.	1.6468	5.3749	1.4558	7.7789	8.4734	148.30	90.0010	
Feb.	1.6684	5.4054	1.4719	7.7888	8.4735	149.30	89.7458	
Mar.	1.6607	5.4032	1.4672	7.8144	8.4594	150.30	90.1365	
Apr.	1.6423	5.4928	1.4672	7.7609	8.3817	150.30	89.4155	
2024 Apr. 12	1.6413	5.4442	1.4643	7.7094	8.3478	150.50	88.9140	
15	1.6441	5.4553	1.4645	7.7134	8.3419	150.70	88.8950	
16	1.6578	5.5607	1.4668	7.6995	8.3304	150.70	88.8975	
17	1.6556	5.6044	1.4691	7.7006	8.3307	150.50	89.0080	
18	1.6567	5.5973	1.4687	7.7294	8.3635	150.30	89.1880	
19	1.6622	5.6165	1.4666	7.7139	8.3443	150.30	88.9228	
22	1.6517	5.5427	1.4592	7.7012	8.3316	150.30	88.6280	
23	1.6536	5.5246	1.4623	7.7353	8.3640	150.30	88.9475	
24	1.6421	5.4856	1.4628	7.7431	8.3700	150.30	89.0435	
25	1.6415	5.5050	1.4659	7.7682	8.3920	150.10	89.3155	
26	1.6392	5.5208	1.4632	7.7638	8.3873	150.30	89.3191	
29	1.6322	5.4706	1.4635	7.7627	8.3904	150.30	89.4610	
30	1.6423	5.4928	1.4672	7.7609	8.3817	150.30	89.4155	
May 2	1.6386	5.5025	1.4678	7.7465	8.3633	150.10	89.2938	
3	1.6330	5.4916	1.4682	7.7798	8.3961	150.30	89.6710	
6	1.6248	5.4683	1.4731	7.7662	8.4223	150.30	89.9875	
7	1.6297	5.4629	1.4730	7.7707	8.4197	150.30	89.8980	
8	1.6374	5.4682	1.4784	7.7651	8.3989	150.10	89.7015	

* See Explanatory notes, p. 48.

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)								
	Indonesia	Israel	Japan	Korea, Republic of	Malaysia	Mexico	New Zealand	Norway
Period	Indonesian rupiah IDR	New shekel ILS	Japanese yen JPY	South Korean won KRW	Malaysian ringgit MYR	Mexican peso MXN	New Zealand dollar NZD	Norwegian krone NOK
2023 Apr.	16,111.90	3.9939	149.35	1,470.89	4.8981	19.8182	1.7864	11.7910
May	16,030.39	3.9713	149.13	1,416.29	4.9307	18.9263	1.7793	12.0045
June	16,384.54	4.0486	157.16	1,435.88	5.0717	18.5614	1.7858	11.7040
July	16,622.65	4.0714	156.73	1,405.49	4.9703	18.4088	1.7773	11.1805
Aug.	16,551.96	4.1293	158.49	1,439.56	5.0428	18.1866	1.8259	11.5800
Sep.	16,383.62	4.0472	158.10	1,425.26	4.9741	18.5030	1.7575	11.2535
Oct.	16,868.28	4.2756	160.30	1,434.66	5.0594	19.1551	1.8224	11.8735
Nov.	16,981.14	4.0597	161.19	1,418.78	5.0933	19.0235	1.7762	11.7200
Dec.	17,079.71	3.9993	156.33	1,433.66	5.0775	18.7231	1.7504	11.2405
2024 Jan.	17,076.29	3.9431	160.19	1,444.63	5.1259	18.5817	1.7705	11.3510
Feb.	17,038.18	3.8736	162.53	1,447.43	5.1375	18.4969	1.7807	11.4920
Mar.	17,157.87	3.9799	163.45	1,458.67	5.1168	17.9179	1.8092	11.6990
Apr.	17,422.11	4.0172	168.27	1,479.67	5.1130	18.1895	1.8035	11.8150
2024 Apr. 12	17,171.88	4.0175	163.16	1,469.79	5.0810	17.5982	1.7872	11.5870
15	17,111.78	3.9578	164.05	1,473.79	5.0925	17.6561	1.7943	11.6260
16	17,234.12	4.0001	164.54	1,481.62	5.0973	17.9141	1.8072	11.6745
17	17,290.58	4.0173	164.54	1,471.92	5.0972	18.0761	1.8012	11.6960
18	17,279.69	4.0363	164.82	1,467.41	5.1083	18.0940	1.8013	11.7375
19	17,325.08	4.0181	164.68	1,469.09	5.0959	18.4819	1.8105	11.7650
22	17,279.87	4.0054	164.51	1,467.64	5.0800	18.2059	1.8004	11.7185
23	17,302.61	4.0422	165.23	1,471.21	5.1022	18.2732	1.8047	11.7310
24	17,277.66	4.0339	165.57	1,469.91	5.1058	18.0824	1.8010	11.7330
25	17,355.14	4.0646	166.76	1,473.23	5.1215	18.2670	1.7990	11.7140
26	17,385.77	4.0798	168.03	1,474.65	5.1079	18.4672	1.8010	11.7995
29	17,408.74	4.0316	167.53	1,476.15	5.1108	18.3202	1.7932	11.7835
30	17,422.11	4.0172	168.27	1,479.67	5.1130	18.1895	1.8035	11.8150
May 2	17,302.04	4.0046	165.63	1,470.41	5.0864	18.1187	1.8047	11.8430
3	17,247.67	3.9943	164.62	1,460.24	5.0927	18.2086	1.7952	11.7080
6	17,289.39	4.0322	165.70	1,460.00	5.1067	18.2346	1.7891	11.6663
7	17,295.26	4.0056	166.45	1,462.45	5.1009	18.1606	1.7918	11.6980
8	17,270.98	3.9883	167.15	1,466.47	5.0949	18.1936	1.7948	11.7570

Other European and non-European countries (cont'd)								
	Philippines	Singapore	South Africa	Switzerland	Thailand	Turkey	United Kingdom	United States
Period	Philippine peso PHP	Singapore dollar SGD	South African rand ZAR	Swiss franc CHF	Thai baht THB	Turkish lira TRY	Pound sterling GBP	US dollar USD
2023 Apr.	60.923	1.4679	20.1558	0.9839	37.467	21.3608	0.88050	1.0981
May	60.053	1.4467	21.1353	0.9724	37.134	22.1320	0.86405	1.0683
June	60.082	1.4732	20.5785	0.9788	38.482	28.3193	0.85828	1.0866
July	60.522	1.4660	19.5511	0.9619	37.732	29.7126	0.85765	1.1023
Aug.	61.545	1.4686	20.4199	0.9584	38.005	28.9848	0.85718	1.0868
Sep.	59.969	1.4443	19.9813	0.9669	38.679	29.0514	0.86458	1.0594
Oct.	60.295	1.4525	19.9507	0.9607	38.266	30.0455	0.87366	1.0619
Nov.	60.623	1.4602	20.5703	0.9562	38.494	31.5441	0.86368	1.0931
Dec.	61.283	1.4591	20.3477	0.9260	37.973	32.6531	0.86905	1.1050
2024 Jan.	61.023	1.4517	20.3238	0.9348	38.461	32.8984	0.85435	1.0837
Feb.	60.858	1.4570	20.9007	0.9534	38.909	33.8067	0.85655	1.0826
Mar.	60.797	1.4587	20.5226	0.9766	39.412	34.9487	0.85510	1.0811
Apr.	61.830	1.4593	20.0682	0.9787	39.732	34.7045	0.85478	1.0718
2024 Apr. 12	60.256	1.4478	19.9907	0.9716	38.853	34.4334	0.85424	1.0652
15	60.558	1.4498	20.2067	0.9725	39.124	34.5291	0.85405	1.0656
16	60.561	1.4509	20.2104	0.9712	38.958	34.5720	0.85440	1.0637
17	60.879	1.4495	20.2752	0.9693	39.180	34.6054	0.85400	1.0638
18	61.127	1.4520	20.3461	0.9704	39.251	34.7035	0.85628	1.0679
19	61.373	1.4510	20.4793	0.9680	39.288	34.7304	0.85620	1.0653
22	61.134	1.4490	20.3468	0.9693	39.392	34.5943	0.86328	1.0632
23	61.440	1.4543	20.5340	0.9724	39.536	34.7807	0.86050	1.0674
24	61.487	1.4547	20.5062	0.9774	39.602	34.7497	0.85945	1.0686
25	61.940	1.4581	20.3377	0.9792	39.691	34.8475	0.85675	1.0720
26	61.830	1.4587	20.2037	0.9779	39.583	34.8036	0.85643	1.0714
29	61.858	1.4578	20.0504	0.9776	39.696	34.7103	0.85493	1.0720
30	61.830	1.4593	20.0682	0.9787	39.732	34.7045	0.85478	1.0718
May 2	61.628	1.4538	19.9690	0.9759	39.508	34.6345	0.85538	1.0698
3	61.392	1.4527	19.8952	0.9744	39.516	34.7482	0.85573	1.0744
6	61.660	1.4548	19.8369	0.9754	39.618	34.7747	0.85660	1.0776
7	61.678	1.4570	19.9127	0.9770	39.683	34.7408	0.85805	1.0766
8	61.643	1.4572	20.0409	0.9770	39.717	34.6564	0.86083	1.0743

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