

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 Bulgarian lev BGN	Czechia Czech koruna CZK	Denmark Danish krone DKK	Hungary Hungarian forint HUF	Poland Polish zloty PLN	Romania Romanian leu RON	Sweden 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. 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	
9	1.9558	24.935	7.4594	387.95	4.2920	4.9753	11.7205	
10	1.9558	24.936	7.4607	387.72	4.2968	4.9758	11.6865	
13	1.9558	24.779	7.4608	387.00	4.2860	4.9762	11.7000	
14	1.9558	24.750	7.4608	386.10	4.2695	4.9758	11.7285	
15	1.9558	24.766	7.4617	386.00	4.2690	4.9758	11.6751	

Other European and non-European countries								
Period	Australia Australian dollar AUD	Brazil Brazilian real BRL	Canada Canadian dollar CAD	China Yuan (renminbi) CNY	Hong Kong Hong Kong dollar HKD	Iceland Icelandic krona ISK	India 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. 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	
9	1.6299	5.5189	1.4728	7.7554	8.3881	150.30	89.6070	
10	1.6320	5.5332	1.4747	7.7877	8.4228	150.30	90.0185	
13	1.6305	5.5486	1.4757	7.8095	8.4329	150.30	90.1330	
14	1.6329	5.5419	1.4753	7.8103	8.4341	150.50	90.1600	
15	1.6308	5.5827	1.4763	7.8212	8.4578	150.30	90.4445	

* 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. 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
9	17,248.52	4.0140	167.32	1,471.57	5.0878	18.1764	1.7881		11.7215
10	17,292.10	4.0091	167.87	1,472.72	5.1082	18.0730	1.7923		11.6735
13	17,371.37	4.0161	168.25	1,476.01	5.1082	18.0713	1.7923		11.6800
14	17,407.15	4.0089	168.89	1,476.56	5.0952	18.1363	1.7934		11.6815
15	17,340.14	4.0030	168.43	1,471.93	5.0986	18.2710	1.7860		11.6490

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. 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
9	61.569	1.4558	19.8856	0.9760	39.617	34.5811	0.85995		1.0732
10	61.936	1.4592	19.8673	0.9779	39.580	34.7431	0.86055		1.0779
13	62.417	1.4605	19.8185	0.9784	39.688	34.7702	0.86023		1.0795
14	62.452	1.4609	19.8835	0.9801	39.589	34.8169	0.85983		1.0796
15	62.284	1.4609	19.9073	0.9800	39.580	34.9765	0.85840		1.0832

* See Explanatory notes, p. 48.