

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

1. End-of-month and daily rates

EUR 1 = CU ...

EU member countries									
	Bulgaria	Czechia	Denmark	Hungary	Poland	Romania	Sweden		
Period	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. 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		
16	1.9558	24.709	7.4612	386.18	4.2648	4.9755	11.6172		
17	1.9558	24.722	7.4615	387.60	4.2650	4.9752	11.6550		

Other European and non-European countries									
	Australia	Brazil	Canada	China	Hong Kong	Iceland	India		
Period	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. 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		
16	1.6290	5.5696	1.4810	7.8430	8.4798	150.30	90.7300		
17	1.6281	5.5645	1.4784	7.8370	8.4600	150.30	90.3883		

* 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. 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
16	17,297.31	4.0057	168.33	1,463.04	5.0885	18.1784	1.7794	11.6420
17	17,316.08	4.0318	168.96	1,471.55	5.0831	18.0889	1.7751	11.6330

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. 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
16	62.490	1.4617	19.7911	0.9822	39.291	34.9901	0.85850	1.0866
17	62.559	1.4609	19.8068	0.9855	39.358	34.9852	0.85685	1.0844

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