

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 Mar.	1.9558	23.492	7.4485	379.50	4.6700	4.9490	11.2805	
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	
2024 Mar. 25	1.9558	25.266	7.4585	396.17	4.3078	4.9712	11.4570	
26	1.9558	25.277	7.4590	395.45	4.3093	4.9702	11.4530	
27	1.9558	25.319	7.4582	395.40	4.3148	4.9721	11.5060	
28	1.9558	25.305	7.4580	395.26	4.3123	4.9735	11.5250	
Apr. 2	1.9558	25.361	7.4582	395.63	4.2938	4.9699	11.5575	
3	1.9558	25.352	7.4589	393.20	4.2968	4.9687	11.5750	
4	1.9558	25.322	7.4589	391.55	4.2955	4.9687	11.5105	
5	1.9558	25.286	7.4590	390.10	4.2835	4.9677	11.5260	
8	1.9558	25.354	7.4588	390.78	4.2773	4.9681	11.4675	
9	1.9558	25.380	7.4590	389.20	4.2565	4.9682	11.4555	
10	1.9558	25.368	7.4594	389.18	4.2563	4.9690	11.4345	
11	1.9558	25.392	7.4604	389.80	4.2570	4.9713	11.5310	
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	

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 Mar.	1.6268	5.5158	1.4737	7.4763	8.5367	148.30	89.3995	
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	
2024 Mar. 25	1.6580	5.4069	1.4722	7.8134	8.4748	149.10	90.3680	
26	1.6574	5.4067	1.4718	7.8358	8.4920	149.30	90.4365	
27	1.6600	5.3969	1.4712	7.8182	8.4615	149.90	90.1340	
28	1.6607	5.4032	1.4672	7.8144	8.4594	150.30	90.1365	
Apr. 2	1.6522	5.4114	1.4577	7.7779	8.4148	150.10	89.6490	
3	1.6539	5.4681	1.4626	7.8023	8.4421	150.10	90.0055	
4	1.6446	5.4751	1.4652	7.8501	8.4957	150.30	90.5116	
5	1.6461	5.4633	1.4702	7.8421	8.4868	150.30	90.3283	
8	1.6433	5.4806	1.4715	7.8282	8.4761	150.30	90.1590	
9	1.6407	5.4489	1.4749	7.8603	8.5096	150.30	90.4135	
10	1.6399	5.4330	1.4728	7.8548	8.5060	150.70	90.3585	
11	1.6448	5.4468	1.4688	7.7646	8.4058	150.30	89.4385	
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	

* 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 Mar.	16,300.19	3.9284	144.83	1,420.26	4.7986	19.6392	1.7392	11.3940
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
2024 Mar. 25	17,100.93	3.9369	163.78	1,453.39	5.1195	18.1374	1.8046	11.6050
26	17,149.60	3.9747	164.40	1,455.75	5.1236	18.1165	1.8036	11.6260
27	17,194.20	3.9582	163.52	1,461.31	5.1192	17.9367	1.8043	11.6825
28	17,157.87	3.9799	163.45	1,458.67	5.1168	17.9179	1.8092	11.6990
Apr. 2	17,103.38	3.9826	163.01	1,453.23	5.1106	17.8490	1.8040	11.7080
3	17,196.78	4.0165	163.66	1,456.04	5.1273	17.8782	1.8054	11.6580
4	17,233.19	4.0339	164.69	1,462.46	5.1433	17.9675	1.7998	11.6125
5	17,192.63	4.0725	164.10	1,464.09	5.1462	17.9104	1.8001	11.6118
8	17,217.66	4.0033	164.43	1,468.37	5.1425	17.8053	1.7984	11.5905
9	17,243.05	4.0110	164.97	1,470.98	5.1591	17.7268	1.7938	11.5930
10	17,212.45	4.0324	164.89	1,467.33	5.1558	17.7305	1.7856	11.5665
11	17,189.90	4.0300	164.18	1,469.32	5.0936	17.6448	1.7920	11.6180
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

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 Mar.	59.050	1.4464	19.3275	0.9968	37.111	20.8632	0.87920	1.0875
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
2024 Mar. 25	60.920	1.4573	20.4889	0.9724	39.364	34.8332	0.85698	1.0835
26	61.055	1.4595	20.5294	0.9810	39.415	34.9542	0.85846	1.0855
27	60.849	1.4586	20.4716	0.9811	39.381	34.9005	0.85768	1.0816
28	60.797	1.4587	20.5226	0.9766	39.412	34.9487	0.85510	1.0811
Apr. 2	60.506	1.4535	20.2399	0.9765	39.395	34.6033	0.85510	1.0749
3	60.817	1.4571	20.2667	0.9792	39.584	34.4418	0.85713	1.0783
4	61.243	1.4628	20.2704	0.9846	39.881	34.6065	0.85788	1.0852
5	61.268	1.4608	20.1710	0.9793	39.743	34.6312	0.85773	1.0841
8	61.204	1.4607	20.1574	0.9807	39.769	34.8481	0.85795	1.0823
9	61.301	1.4623	20.0861	0.9819	39.529	34.9828	0.85663	1.0867
10	61.408	1.4605	20.0851	0.9810	39.536	35.0329	0.85515	1.0860
11	60.577	1.4518	20.1614	0.9787	39.220	34.6336	0.85525	1.0729
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

* See Explanatory notes, p. 48.