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

2. Annual and monthly averages +

EUR 1 = CU ...

Period	EU member countries						
	Bulgaria [1]	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
2024	1.9558	25.120	7.4589	395.30	4.3058	4.9746	11.4325
2025	1.9558	24.688	7.4634	397.77	4.2397	5.0424	11.0663
2024 Sep.	1.9558	25.099	7.4600	394.86	4.2761	4.9744	11.3577
Oct.	1.9558	25.298	7.4593	401.90	4.3170	4.9750	11.4048
Nov.	1.9558	25.301	7.4583	409.25	4.3317	4.9762	11.5828
Dec.	1.9558	25.136	7.4589	411.99	4.2704	4.9749	11.5040
2025 Jan.	1.9558	25.163	7.4609	411.73	4.2467	4.9752	11.4797
Feb.	1.9558	25.077	7.4592	403.13	4.1722	4.9770	11.2474
Mar.	1.9558	25.001	7.4597	399.81	4.1820	4.9768	10.9675
Apr.	1.9558	25.039	7.4648	406.44	4.2652	4.9775	10.9744
May	1.9558	24.923	7.4600	403.94	4.2538	5.0714	10.8812
June	1.9558	24.804	7.4597	402.08	4.2658	5.0454	11.0094
July	1.9558	24.625	7.4625	399.19	4.2541	5.0716	11.1985
Aug.	1.9558	24.517	7.4638	396.45	4.2613	5.0651	11.1610
Sep.	1.9558	24.347	7.4644	391.63	4.2589	5.0740	11.0004
Oct.	1.9558	24.315	7.4680	389.91	4.2488	5.0872	10.9699
Nov.	1.9558	24.234	7.4679	384.20	4.2376	5.0867	10.9915
Dec.	1.9558	24.259	7.4696	384.97	4.2239	5.0913	10.8956
2026 Jan.	–	24.278	7.4703	384.18	4.2127	5.0919	10.6815
Feb.	–	24.260	7.4702	378.61	4.2184	5.0945	10.6351
Mar.	–	24.438	7.4717	389.19	4.2715	5.0954	10.7614
Apr.	–	24.381	7.4728	368.96	4.2502	5.0991	10.8348
May	–	24.313	7.4728	358.23	4.2412	5.2296	10.8613
June	–	24.208	7.4744	353.94	4.2568	5.2421	10.9548
July	–	24.207	7.4752	359.47	4.3179	5.2372	11.0458
Aug.	–	24.179	7.4755	363.38	4.3096	5.2493	11.0232
Sep.	–	24.296	7.4752	364.93	4.3445	5.2633	11.2329
Oct.	–	24.367	7.4746	365.77	4.3813	5.3392	11.1530

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
2024	1.6397	5.8283	1.4821	7.7875	8.4454	149.31	90.5563
2025	1.7518	6.3072	1.5787	8.1185	8.8104	144.66	98.5239
2024 Sep.	1.6398	6.1528	1.5037	7.8611	8.6528	152.21	93.0808
Oct.	1.6250	6.1195	1.4993	7.7276	8.4726	149.07	91.6266
Nov.	1.6267	6.1729	1.4855	7.6617	8.2699	146.72	89.6717
Dec.	1.6529	6.3843	1.4915	7.6298	8.1459	145.24	89.0453
2025 Jan.	1.6626	6.2408	1.4904	7.5560	8.0605	145.40	89.3418
Feb.	1.6528	6.0053	1.4893	7.5749	8.1031	146.26	90.6346
Mar.	1.7158	6.2368	1.5518	7.8353	8.4000	145.26	93.4985
Apr.	1.7844	6.4759	1.5701	8.1850	8.7071	145.00	95.9723
May	1.7521	6.3953	1.5646	8.1348	8.8022	145.49	96.1427
June	1.7723	6.3913	1.5754	8.2700	9.0387	143.45	98.9782
July	1.7862	6.4611	1.5982	8.3754	9.1661	142.39	100.6043
Aug.	1.7920	6.3439	1.6057	8.3442	9.1035	143.10	101.8425
Sep.	1.7795	6.3013	1.6227	8.3586	9.1342	142.98	103.6023
Oct.	1.7781	6.2614	1.6280	8.2810	9.0426	142.22	102.8353
Nov.	1.7772	6.1728	1.6248	8.2149	8.9898	146.83	102.7101
Dec.	1.7634	6.3806	1.6168	8.2491	9.1114	148.19	105.4131
2026 Jan.	1.7304	6.2674	1.6173	8.1806	9.1523	146.32	106.6826
Feb.	1.6763	6.1529	1.6140	8.1682	9.2421	144.75	107.3203
Mar.	1.6470	6.0498	1.5848	7.9703	9.0461	144.04	107.3446
Apr.	1.6489	5.8830	1.6097	8.0005	9.1703	143.73	109.4829
May	1.6258	5.8191	1.6027	7.9352	9.1436	143.55	111.5368
June	1.6391	5.8989	1.6165	7.8045	9.0272	143.94	109.3451
July	1.6396	5.8449	1.6119	7.7371	8.9526	143.27	109.4158
Aug.	1.6325	5.9684	1.6123	7.8092	9.0920	141.76	110.6529
Sep.	1.6166	5.9227	1.6073	7.7242	9.0301	139.25	109.9142
Oct.	1.6032	5.7430	1.5839	7.4883	8.7895	136.46	107.0116

***** 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 2026.

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

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

EUR 1 = CU ...

Period	Other European and non-European countries (cont´d)							
	Indonesia Indonesian rupiah IDR	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
2024	17,157.68	4.0067	163.85	1,475.40	4.9503	19.8314	1.7880	11.6290
2025	18,623.06	3.8927	169.04	1,605.45	4.8339	21.6705	1.9422	11.7173
2024 Sep.	17,020.23	4.1452	159.08	1,478.72	4.7341	21.7625	1.7845	11.7852
Oct.	16,988.19	4.1020	163.20	1,484.59	4.6883	21.4603	1.7917	11.7907
Nov.	16,817.07	3.9523	163.23	1,482.25	4.7141	21.6152	1.7967	11.7408
Dec.	16,810.95	3.7896	161.08	1,506.85	4.6728	21.2338	1.8217	11.7447
2025 Jan.	16,832.40	3.7450	161.92	1,503.60	4.6232	21.2951	1.8393	11.7456
Feb.	17,020.42	3.7149	158.09	1,505.02	4.6261	21.3268	1.8337	11.6574
Mar.	17,800.79	3.9523	161.17	1,576.45	4.7927	21.8760	1.8879	11.5472
Apr.	18,871.74	4.1460	161.67	1,617.41	4.9510	22.5071	1.9256	11.8380
May	18,526.84	4.0189	163.14	1,566.14	4.8091	21.9250	1.8998	11.5968
June	18,776.57	4.0064	166.52	1,573.37	4.8848	21.9261	1.9114	11.5841
July	19,029.69	3.9148	171.53	1,608.95	4.9462	21.8347	1.9471	11.8537
Aug.	18,967.88	3.9507	171.79	1,617.15	4.9166	21.7728	1.9721	11.8653
Sep.	19,399.67	3.9235	173.55	1,634.39	4.9417	21.7063	1.9940	11.6702
Oct.	19,310.79	3.8204	176.15	1,655.92	4.9028	21.4305	2.0198	11.6633
Nov.	19,303.88	3.7629	179.32	1,687.64	4.8021	21.2957	2.0439	11.7402
Dec.	19,548.05	3.7648	182.50	1,717.44	4.7920	21.1787	2.0249	11.8428
2026 Jan.	19,757.02	3.6916	183.94	1,710.38	4.7262	20.7288	2.0090	11.6670
Feb.	19,896.39	3.6699	183.45	1,712.39	4.6261	20.3806	1.9683	11.3206
Mar.	19,561.24	3.5988	183.40	1,723.13	4.5687	20.5284	1.9762	11.1658
Apr.	20,083.87	3.5438	186.21	1,734.05	4.6484	20.4023	2.0000	11.0332
May	20,538.00	3.3830	184.71	1,740.27	4.6121	20.2055	1.9786	10.7936
June	20,614.71	3.3802	185.11	1,762.32	4.6866	20.0105	1.9914	11.0338
July	20,564.00	3.4629	185.54	1,702.16	4.6614	19.9487	1.9768	11.0822
Aug.	20,641.11	3.4671	184.10	1,626.41	4.7125	19.7814	1.9623	10.9274
Sep.	20,426.18	3.4907	180.04	1,563.92	4.6862	19.8457	1.9961	10.8003
Oct.	20,164.79	3.4576	176.91	1,497.12	4.5727	20.6419	1.9877	10.5914

Period	Other European and non-European countries (cont´d)							
	Philippines Philippine peso PHP	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
2024	62.007	1.4458	19.8297	0.9526	38.181	35.5734	0.84662	1.0824
2025	64.977	1.4756	20.1789	0.9370	37.116	44.8161	0.85679	1.1300
2024 Sep.	62.256	1.4396	19.5634	0.9414	37.012	37.8238	0.84021	1.1106
Oct.	62.655	1.4283	19.1609	0.9386	36.411	37.3473	0.83496	1.0904
Nov.	62.410	1.4206	19.0553	0.9355	36.596	36.6237	0.83379	1.0630
Dec.	61.203	1.4144	19.0606	0.9339	35.794	36.6588	0.82804	1.0479
2025 Jan.	60.479	1.4092	19.3821	0.9414	35.444	36.8091	0.83908	1.0354
Feb.	60.443	1.4022	19.2451	0.9413	35.189	37.6927	0.83071	1.0413
Mar.	62.013	1.4441	19.7403	0.9548	36.522	40.1683	0.83703	1.0807
Apr.	63.744	1.4852	21.1972	0.9370	37.883	42.7740	0.85379	1.1214
May	62.742	1.4589	20.4124	0.9356	37.143	43.7908	0.84350	1.1278
June	64.901	1.4782	20.5631	0.9380	37.564	45.4347	0.84981	1.1516
July	66.415	1.4960	20.7477	0.9325	37.883	46.9835	0.86469	1.1677
Aug.	66.452	1.4954	20.6230	0.9387	37.755	47.4983	0.86528	1.1631
Sep.	67.212	1.5075	20.4793	0.9350	37.549	48.4914	0.86895	1.1732
Oct.	67.884	1.5074	20.0976	0.9289	37.886	48.6799	0.87155	1.1630
Nov.	68.066	1.5058	19.9088	0.9290	37.436	48.8908	0.87997	1.1560
Dec.	68.941	1.5120	19.7180	0.9332	37.009	49.9695	0.87500	1.1709
2026 Jan.	69.479	1.5027	19.1152	0.9272	36.735	50.7458	0.86828	1.1738
Feb.	68.790	1.4979	18.9206	0.9140	36.960	51.6771	0.87032	1.1824
Mar.	68.874	1.4790	19.3533	0.9094	37.298	51.0938	0.86631	1.1558
Apr.	70.609	1.4933	19.3554	0.9213	37.784	52.4489	0.86933	1.1706
May	71.650	1.4891	19.2317	0.9149	37.951	53.1584	0.86565	1.1673
June	70.462	1.4833	18.8681	0.9205	37.874	53.3090	0.86372	1.1518
July	70.335	1.4746	18.8035	0.9256	38.259	53.7599	0.85392	1.1417
Aug.	71.236	1.4796	18.7357	0.9362	38.270	55.5105	0.85606	1.1593
Sep.	72.097	1.4652	18.6640	0.9430	38.240	56.0149	0.85813	1.1513
Oct.	70.769	1.4338	18.5546	0.9282	37.692	55.4170	0.84282	1.1202

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