

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

### 2. Annual and monthly averages +

EUR 1 = CU ...

| EU member countries |                       |                     |                     |                         |                     |                     |                      |
|---------------------|-----------------------|---------------------|---------------------|-------------------------|---------------------|---------------------|----------------------|
| Period              | Bulgaria <sup>1</sup> | Czechia             | Denmark             | Hungary                 | Poland              | Romania             | Sweden               |
|                     | Bulgarian lev<br>BGN  | Czech koruna<br>CZK | Danish krone<br>DKK | Hungarian forint<br>HUF | Polish zloty<br>PLN | Romanian leu<br>RON | Swedish krona<br>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 June           | 1.9558                | 24.779              | 7.4592              | 394.76                  | 4.3209              | 4.9767              | 11.2851              |
| July                | 1.9558                | 25.299              | 7.4606              | 392.84                  | 4.2817              | 4.9730              | 11.5324              |
| Aug.                | 1.9558                | 25.179              | 7.4614              | 394.70                  | 4.2917              | 4.9766              | 11.4557              |
| 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              |

| Other European and non-European countries |                          |                       |                        |                        |                         |                        |                     |
|-------------------------------------------|--------------------------|-----------------------|------------------------|------------------------|-------------------------|------------------------|---------------------|
|                                           | Australia                | Brazil                | Canada                 | China                  | Hong Kong               | Iceland                | India               |
|                                           | Australian dollar<br>AUD | Brazilian real<br>BRL | Canadian dollar<br>CAD | Yuan (renminbi)<br>CNY | Hong Kong dollar<br>HKD | Icelandic krona<br>ISK | Indian rupee<br>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 June                                 | 1.6206                   | 5.7884                | 1.4750                 | 7.8051                 | 8.4023                  | 149.36                 | 89.8106             |
| July                                      | 1.6257                   | 6.0053                | 1.4868                 | 7.8750                 | 8.4684                  | 149.43                 | 90.6557             |
| Aug.                                      | 1.6559                   | 6.1193                | 1.5049                 | 7.8736                 | 8.5849                  | 151.84                 | 92.4062             |
| 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            |

\* See Explanatory notes, p. 48. + Averages: Bundesbank calculations based on the daily euro foreign exchange reference rates published by the ECB. <sup>1</sup> 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 ...

| Other European and non-European countries (cont'd) |                          |                   |                     |                         |                          |                     |                           |                        |
|----------------------------------------------------|--------------------------|-------------------|---------------------|-------------------------|--------------------------|---------------------|---------------------------|------------------------|
| Period                                             | Indonesia                | Israel            | Japan               | Korea, Republic of      | Malaysia                 | Mexico              | New Zealand               | Norway                 |
|                                                    | Indonesian rupiah<br>IDR | New shekel<br>ILS | Japanese yen<br>JPY | South Korean won<br>KRW | Malaysian ringgit<br>MYR | Mexican peso<br>MXN | New Zealand dollar<br>NZD | Norwegian krone<br>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 June                                          | 17,595.94                | 4.0074            | 169.81              | 1,485.38                | 5.0680                   | 19.6134             | 1.7539                    | 11.4178                |
| July                                               | 17,623.29                | 3.9902            | 171.17              | 1,499.62                | 5.0737                   | 19.6397             | 1.7985                    | 11.7160                |
| Aug.                                               | 17,347.75                | 4.1079            | 161.06              | 1,488.61                | 4.8605                   | 21.0823             | 1.8112                    | 11.7895                |
| 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                |

| Other European and non-European countries (cont'd) |                        |                         |                           |                    |                  |                     |                       |                  |
|----------------------------------------------------|------------------------|-------------------------|---------------------------|--------------------|------------------|---------------------|-----------------------|------------------|
| Period                                             | Philippines            | Singapore               | South Africa              | Switzerland        | Thailand         | Turkey              | United Kingdom        | United States    |
|                                                    | Philippine peso<br>PHP | Singapore dollar<br>SGD | South African rand<br>ZAR | Swiss franc<br>CHF | Thai baht<br>THB | Turkish lira<br>TRY | Pound sterling<br>GBP | US dollar<br>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 June                                          | 63.177                 | 1.4547                  | 19.8144                   | 0.9616             | 39.492           | 35.0667             | 0.84643               | 1.0759           |
| July                                               | 63.416                 | 1.4602                  | 19.7950                   | 0.9676             | 39.324           | 35.6969             | 0.84332               | 1.0844           |
| Aug.                                               | 62.710                 | 1.4488                  | 19.8651                   | 0.9450             | 38.263           | 37.1098             | 0.85150               | 1.1012           |
| 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           |

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