

# All units in data storage

Edit any value and every other unit updates instantly.

| DECIMAL (SI) · 12 units          |                       | ▲ |
|----------------------------------|-----------------------|---|
| kilobit kbit                     | 9 007 199 254 741     |   |
| megabit Mbit                     | 9 007 199 255         |   |
| gigabit Gbit                     | 9 007 199             |   |
| terabit Tbit                     | 9 007                 |   |
| petabit Pbit                     | 9.007                 |   |
| exabit Ebit                      | 0.009007              |   |
| kilobyte kB                      | 1 125 899 906 843     |   |
| megabyte MB <span>TO UNIT</span> | 1 125 899 907         |   |
| gigabyte GB                      | 1 125 900             |   |
| terabyte TB                      | 1 126                 |   |
| petabyte PB                      | 1.126                 |   |
| exabyte EB                       | 0.001126              |   |
| BINARY (IEC) · 14 units          |                       | ▲ |
| bit bit                          | 9 007 199 254 740 992 |   |
| byte B                           | 1 125 899 906 842 624 |   |
| kibibit Kibit                    | 8 796 093 022 208     |   |
| mebibit Mibit                    | 8 589 934 592         |   |

|                                                                                                    |
|----------------------------------------------------------------------------------------------------|
| <div><div>gibibit Gibit</div><div>8 388 608</div></div>                                            |
| <div><div>tebibit Tibit</div><div>8 192</div></div>                                                |
| <div><div>pebibit Pibit</div><div>8.000</div></div>                                                |
| <div><div>exbibit Eibit</div><div>0.007813</div></div>                                             |
| <div><div>kibibyte KiB</div><div>1 099 511 627 776</div></div>                                     |
| <div><div>mebibyte MiB</div><div>1 073 741 824</div></div>                                         |
| <div><div>gibibyte GiB</div><div>1 048 576</div></div>                                             |
| <div><div>tebibyte TiB</div><div>1 024</div></div>                                                 |
| <div><div><div><div>pebibyte PiB</div><div>FROM</div></div><div><div>1.000</div></div></div></div> |
| <div><div>exbibyte EiB</div><div>0.0009766</div></div>                                             |

# Conversion table from pebibyte to byte

| PEBIBYTE | BYTE                   |
|----------|------------------------|
| 0        | 0                      |
| 1.000    | 1 125 899 906 842 624  |
| 2.000    | 2 251 799 813 685 248  |
| 3.000    | 3 377 699 720 527 872  |
| 4.000    | 4 503 599 627 370 496  |
| 5.000    | 5 629 499 534 213 120  |
| 6.000    | 6 755 399 441 055 744  |
| 7.000    | 7 881 299 347 898 368  |
| 8.000    | 9 007 199 254 740 992  |
| 9.000    | 10 133 099 161 583 616 |
| PEBIBYTE | BYTE                   |
| 10.00    | 11 258 999 068 426 240 |
| 11.00    | 12 384 898 975 268 864 |
| 12.00    | 13 510 798 882 111 488 |
| 13.00    | 14 636 698 788 954 112 |
| 14.00    | 15 762 598 695 796 736 |
| 15.00    | 16 888 498 602 639 360 |
| 16.00    | 18 014 398 509 481 984 |
| 17.00    | 19 140 298 416 324 610 |
| 18.00    | 20 266 198 323 167 230 |
| 19.00    | 21 392 098 230 009 856 |

PEBIBYTE

BYTE

|       |                        |
|-------|------------------------|
| 20.00 | 22 517 998 136 852 480 |
| 21.00 | 23 643 898 043 695 104 |
| 22.00 | 24 769 797 950 537 730 |
| 23.00 | 25 895 697 857 380 350 |
| 24.00 | 27 021 597 764 222 976 |
| 25.00 | 28 147 497 671 065 600 |
| 26.00 | 29 273 397 577 908 224 |
| 27.00 | 30 399 297 484 750 850 |
| 28.00 | 31 525 197 391 593 470 |
| 29.00 | 32 651 097 298 436 096 |

# Conversion table from pebibyte to kilobyte

| PEBIBYTE | KILOBYTE           |
|----------|--------------------|
| 0        | 0                  |
| 1.000    | 1 125 899 906 843  |
| 2.000    | 2 251 799 813 685  |
| 3.000    | 3 377 699 720 528  |
| 4.000    | 4 503 599 627 370  |
| 5.000    | 5 629 499 534 213  |
| 6.000    | 6 755 399 441 056  |
| 7.000    | 7 881 299 347 898  |
| 8.000    | 9 007 199 254 741  |
| 9.000    | 10 133 099 161 584 |
| PEBIBYTE | KILOBYTE           |
| 10.00    | 11 258 999 068 426 |
| 11.00    | 12 384 898 975 269 |
| 12.00    | 13 510 798 882 111 |
| 13.00    | 14 636 698 788 954 |
| 14.00    | 15 762 598 695 797 |
| 15.00    | 16 888 498 602 639 |
| 16.00    | 18 014 398 509 482 |
| 17.00    | 19 140 298 416 325 |
| 18.00    | 20 266 198 323 167 |
| 19.00    | 21 392 098 230 010 |

PEBIBYTE

KILOBYTE

|       |                    |
|-------|--------------------|
| 20.00 | 22 517 998 136 852 |
| 21.00 | 23 643 898 043 695 |
| 22.00 | 24 769 797 950 538 |
| 23.00 | 25 895 697 857 380 |
| 24.00 | 27 021 597 764 223 |
| 25.00 | 28 147 497 671 066 |
| 26.00 | 29 273 397 577 908 |
| 27.00 | 30 399 297 484 751 |
| 28.00 | 31 525 197 391 593 |
| 29.00 | 32 651 097 298 436 |

# Conversion table from pebibyte to gigabyte

| PEBIBYTE | GIGABYTE   |
|----------|------------|
| 0        | 0          |
| 1.000    | 1 125 900  |
| 2.000    | 2 251 800  |
| 3.000    | 3 377 700  |
| 4.000    | 4 503 600  |
| 5.000    | 5 629 500  |
| 6.000    | 6 755 399  |
| 7.000    | 7 881 299  |
| 8.000    | 9 007 199  |
| 9.000    | 10 133 099 |
| PEBIBYTE | GIGABYTE   |
| 10.00    | 11 258 999 |
| 11.00    | 12 384 899 |
| 12.00    | 13 510 799 |
| 13.00    | 14 636 699 |
| 14.00    | 15 762 599 |
| 15.00    | 16 888 499 |
| 16.00    | 18 014 399 |
| 17.00    | 19 140 298 |
| 18.00    | 20 266 198 |
| 19.00    | 21 392 098 |

| PEBIBYTE | GIGABYTE   |
|----------|------------|
| 20.00    | 22 517 998 |
| 21.00    | 23 643 898 |
| 22.00    | 24 769 798 |
| 23.00    | 25 895 698 |
| 24.00    | 27 021 598 |
| 25.00    | 28 147 498 |
| 26.00    | 29 273 398 |
| 27.00    | 30 399 297 |
| 28.00    | 31 525 197 |
| 29.00    | 32 651 097 |