

All units in data storage

Edit any value and every other unit updates instantly.

DECIMAL (SI) · 12 units		▲
kilobit kbit		8 589 935
megabit Mbit		8 590
gigabit Gbit		8.590
terabit Tbit		0.008590
petabit Pbit		0.000008590
exabit Ebit		0.000000008590
kilobyte kB		1 073 742
megabyte MB		1 074
gigabyte GB		1.074
terabyte TB		0.001074
petabyte PB		0.000001074
exabyte EB		0.000000001074
BINARY (IEC) · 14 units		▲
bit bit	TO UNIT	8 589 934 592
byte B		1 073 741 824
kibibit Kibit		8 388 608
mebibit Mibit		8 192

gibibit Gibit	8.000
tebibit Tibit	0.007813
pebibit Pibit	0.000007629
exbibit Eibit	0.000000007451
kibibyte KiB	1 048 576
mebibyte MiB	1 024
gibibyte GiB FROM	1.000
tebibyte TiB	0.0009766
pebibyte PiB	0.0000009537
exbibyte EiB	0.0000000009313

Conversion table from gibibyte to byte

GIBIBYTE	BYTE
0	0
1.000	1 073 741 824
2.000	2 147 483 648
3.000	3 221 225 472
4.000	4 294 967 296
5.000	5 368 709 120
6.000	6 442 450 944
7.000	7 516 192 768
8.000	8 589 934 592
9.000	9 663 676 416
10.00	10 737 418 240
11.00	11 811 160 064
12.00	12 884 901 888
13.00	13 958 643 712
14.00	15 032 385 536
15.00	16 106 127 360
16.00	17 179 869 184
17.00	18 253 611 008
18.00	19 327 352 832
19.00	20 401 094 656
20.00	21 474 836 480
21.00	22 548 578 304

GIBIBYTE	BYTE
22.00	23 622 320 128
23.00	24 696 061 952
24.00	25 769 803 776
25.00	26 843 545 600
26.00	27 917 287 424
27.00	28 991 029 248
28.00	30 064 771 072
29.00	31 138 512 896

Conversion table from gibibyte to kilobyte

GIBIBYTE	KILOBYTE
0	0
1.000	1 073 742
2.000	2 147 484
3.000	3 221 225
4.000	4 294 967
5.000	5 368 709
6.000	6 442 451
7.000	7 516 193
8.000	8 589 935
9.000	9 663 676
10.00	10 737 418
11.00	11 811 160
12.00	12 884 902
13.00	13 958 644
14.00	15 032 386
15.00	16 106 127
16.00	17 179 869
17.00	18 253 611
18.00	19 327 353
19.00	20 401 095
20.00	21 474 836
21.00	22 548 578

GIBIBYTE	KILOBYTE
22.00	23 622 320
23.00	24 696 062
24.00	25 769 804
25.00	26 843 546
26.00	27 917 287
27.00	28 991 029
28.00	30 064 771
29.00	31 138 513

Conversion table from gibibyte to gigabyte

GIBIBYTE	GIGABYTE
0	0
1.000	1.074
2.000	2.147
3.000	3.221
4.000	4.295
5.000	5.369
6.000	6.442
7.000	7.516
8.000	8.590
9.000	9.664
10.00	10.74
11.00	11.81
12.00	12.88
13.00	13.96
14.00	15.03
15.00	16.11
16.00	17.18
17.00	18.25
18.00	19.33
19.00	20.40
20.00	21.47
21.00	22.55

GIBIBYTE	GIGABYTE
22.00	23.62
23.00	24.70
24.00	25.77
25.00	26.84
26.00	27.92
27.00	28.99
28.00	30.06
29.00	31.14