



Temperature Conversion

Temperature Conversion Table

Locate temperature value for conversion in the light blue area.

Corresponding temperature in degrees Fahrenheit will be found in column to the right.

Corresponding temperature in degrees Celsius will be found in column to the left.

(For temperatures between values in chart use Interpolation Factors below)

| °C | °F | °C | °F | °C | °F | °C | °F | °C | °F | °C | °F | °C | °F | °C | °F | °C | °F | | | |
|-------|----|-------|------|----|-------|------|-----|-------|-----|------|------|-----|------|------|------|------|------|------|------|------|
| -17.8 | 0 | 32.0 | 8.89 | 48 | 118.4 | 36.1 | 97 | 206.6 | 288 | 550 | 1022 | 560 | 1040 | 1904 | 832 | 1530 | 2786 | 1104 | 2020 | 3668 |
| -17.2 | 1 | 33.8 | 9.44 | 49 | 120.2 | 36.7 | 98 | 208.4 | 293 | 560 | 1040 | 566 | 1050 | 1922 | 838 | 1540 | 2804 | 1110 | 2030 | 3865 |
| -16.7 | 2 | 35.6 | 10.0 | 50 | 122.0 | 37.2 | 99 | 210.2 | 299 | 570 | 1058 | 571 | 1060 | 1940 | 843 | 1550 | 2822 | 1116 | 2040 | 3704 |
| -16.1 | 3 | 37.4 | 10.6 | 51 | 123.8 | 38 | 100 | 212 | 304 | 580 | 1076 | 577 | 1070 | 1958 | 849 | 1560 | 2840 | 1121 | 2050 | 3722 |
| -15.6 | 4 | 39.2 | 11.1 | 52 | 125.6 | 43 | 110 | 230 | 310 | 590 | 1094 | 582 | 1080 | 1976 | 854 | 1570 | 2858 | 1127 | 2060 | 3740 |
| -15.0 | 5 | 41.0 | 11.7 | 53 | 127.4 | 49 | 120 | 248 | 316 | 600 | 1112 | 588 | 1090 | 1994 | 860 | 1580 | 2876 | 1132 | 2070 | 3758 |
| -14.4 | 6 | 42.8 | 12.2 | 54 | 129.2 | 54 | 130 | 266 | 321 | 610 | 1130 | 593 | 1100 | 2012 | 866 | 1590 | 2894 | 1138 | 2080 | 3776 |
| -13.9 | 7 | 44.6 | 12.8 | 55 | 131.0 | 60 | 140 | 284 | 327 | 620 | 1148 | 599 | 1110 | 2030 | 871 | 1600 | 2912 | 1143 | 2090 | 3794 |
| -13.3 | 8 | 46.4 | 13.3 | 56 | 132.8 | 66 | 150 | 302 | 332 | 630 | 1166 | 604 | 1120 | 2048 | 877 | 1610 | 2930 | 1149 | 2100 | 3812 |
| -12.8 | 9 | 48.2 | 13.9 | 57 | 134.6 | 71 | 160 | 320 | 338 | 640 | 1184 | 610 | 1130 | 2066 | 882 | 1620 | 2948 | 1154 | 2110 | 3830 |
| -12.2 | 10 | 50.0 | 14.4 | 58 | 136.4 | 77 | 170 | 338 | 343 | 650 | 1202 | 616 | 1140 | 2084 | 888 | 1630 | 2966 | 1160 | 2120 | 3848 |
| -11.7 | 11 | 51.8 | 15.0 | 59 | 138.2 | 82 | 180 | 356 | 349 | 660 | 1220 | 621 | 1150 | 2102 | 893 | 1640 | 2984 | 1168 | 2130 | 3866 |
| -11.1 | 12 | 53.6 | 15.6 | 60 | 140.0 | 88 | 190 | 374 | 354 | 670 | 1238 | 627 | 1160 | 2120 | 899 | 1650 | 3002 | 1171 | 2140 | 3884 |
| -10.6 | 13 | 55.4 | 16.1 | 61 | 141.8 | 93 | 200 | 392 | 360 | 680 | 1256 | 632 | 1170 | 2138 | 904 | 1660 | 3020 | 1177 | 2150 | 3902 |
| -10.0 | 14 | 57.2 | 16.7 | 62 | 143.6 | 99 | 210 | 410 | 366 | 690 | 1274 | 638 | 1180 | 2156 | 910 | 1670 | 3038 | 1182 | 2160 | 3920 |
| -9.44 | 15 | 59.0 | 17.2 | 63 | 145.4 | 100 | 212 | 413.6 | 371 | 700 | 1292 | 643 | 1190 | 2174 | 916 | 1680 | 3056 | 1188 | 2170 | 3938 |
| -8.89 | 16 | 60.8 | 17.8 | 64 | 147.2 | 104 | 220 | 428 | 377 | 710 | 1310 | 649 | 1200 | 2192 | 921 | 1690 | 3074 | 1193 | 2180 | 3956 |
| -8.33 | 17 | 62.6 | 18.3 | 65 | 149.0 | 110 | 230 | 446 | 382 | 720 | 1328 | 654 | 1210 | 2210 | 927 | 1700 | 3092 | 1199 | 2190 | 3974 |
| -7.78 | 18 | 64.4 | 18.9 | 66 | 150.8 | 116 | 240 | 464 | 388 | 730 | 1346 | 660 | 1220 | 2228 | 932 | 1710 | 3110 | 1204 | 2200 | 3992 |
| -7.22 | 19 | 66.2 | 19.4 | 67 | 152.6 | 121 | 250 | 482 | 393 | 740 | 1364 | 666 | 1230 | 2246 | 938 | 1720 | 3128 | 1210 | 2210 | 4010 |
| -6.67 | 20 | 68.0 | 20.0 | 68 | 154.4 | 127 | 260 | 500 | 399 | 750 | 1382 | 671 | 1240 | 2264 | 943 | 1730 | 3146 | 1216 | 2220 | 4028 |
| -6.11 | 21 | 69.8 | 20.6 | 69 | 156.2 | 132 | 270 | 518 | 404 | 760 | 1400 | 677 | 1250 | 2282 | 949 | 1740 | 3164 | 1221 | 2230 | 4046 |
| -5.56 | 22 | 71.6 | 21.1 | 70 | 158.0 | 138 | 280 | 536 | 410 | 770 | 1418 | 682 | 1260 | 2300 | 954 | 1750 | 3182 | 1227 | 2240 | 4064 |
| -5.00 | 23 | 73.4 | 21.7 | 71 | 159.8 | 143 | 290 | 554 | 416 | 780 | 1436 | 688 | 1270 | 2318 | 960 | 1760 | 3200 | 1232 | 2250 | 4082 |
| -4.45 | 24 | 75.2 | 22.2 | 72 | 161.6 | 149 | 300 | 572 | 421 | 790 | 1454 | 693 | 1280 | 2336 | 966 | 1770 | 3218 | 1238 | 2260 | 4100 |
| -3.89 | 25 | 77.0 | 22.8 | 73 | 163.4 | 154 | 310 | 590 | 427 | 800 | 1472 | 699 | 1290 | 2354 | 971 | 1780 | 3236 | 1243 | 2270 | 4118 |
| -3.34 | 26 | 78.8 | 23.3 | 74 | 165.2 | 160 | 320 | 608 | 432 | 810 | 1490 | 704 | 1300 | 2372 | 977 | 1790 | 3254 | 1249 | 2280 | 4136 |
| -2.78 | 27 | 80.6 | 23.9 | 75 | 167.0 | 166 | 330 | 626 | 438 | 820 | 1508 | 710 | 1310 | 2390 | 982 | 1800 | 3272 | 1254 | 2290 | 4154 |
| -2.23 | 28 | 82.4 | 24.4 | 76 | 168.8 | 171 | 340 | 644 | 443 | 830 | 1526 | 716 | 1320 | 2408 | 988 | 1810 | 3290 | 1260 | 2300 | 4172 |
| -1.67 | 29 | 84.2 | 25.0 | 77 | 170.6 | 177 | 350 | 662 | 449 | 840 | 1544 | 721 | 1330 | 2426 | 993 | 1820 | 3308 | 1266 | 2310 | 4190 |
| -1.11 | 30 | 86.0 | 25.6 | 78 | 172.4 | 182 | 360 | 680 | 454 | 850 | 1562 | 727 | 1340 | 2444 | 999 | 1830 | 3326 | 1271 | 2320 | 4208 |
| -0.56 | 31 | 87.8 | 26.1 | 79 | 174.2 | 188 | 370 | 698 | 460 | 860 | 1580 | 732 | 1350 | 2462 | 1004 | 1840 | 3344 | 1277 | 2330 | 4226 |
| 0.00 | 32 | 89.6 | 26.7 | 80 | 176.0 | 193 | 380 | 716 | 466 | 870 | 1598 | 738 | 1360 | 2480 | 1010 | 1850 | 3362 | 1282 | 2340 | 4244 |
| 0.56 | 33 | 91.4 | 27.2 | 81 | 177.8 | 199 | 390 | 734 | 471 | 880 | 1616 | 743 | 1370 | 2498 | 1016 | 1860 | 3380 | 1288 | 2350 | 4262 |
| 1.11 | 34 | 93.2 | 27.8 | 82 | 179.6 | 204 | 400 | 752 | 477 | 890 | 1634 | 749 | 1380 | 2516 | 1021 | 1870 | 3398 | 1293 | 2360 | 4280 |
| 1.67 | 35 | 95.0 | 28.3 | 83 | 181.4 | 210 | 410 | 770 | 482 | 900 | 1652 | 754 | 1390 | 2534 | 1027 | 1880 | 3416 | 1299 | 2370 | 4298 |
| 2.22 | 36 | 96.8 | 28.9 | 84 | 183.2 | 216 | 420 | 788 | 488 | 910 | 1670 | 760 | 1400 | 2552 | 1032 | 1890 | 3434 | 1304 | 2380 | 4316 |
| 2.78 | 37 | 98.6 | 29.4 | 85 | 185.0 | 221 | 430 | 806 | 493 | 920 | 1688 | 766 | 1410 | 2570 | 1038 | 1900 | 3452 | 1310 | 2390 | 4334 |
| 3.33 | 38 | 100.4 | 30.0 | 86 | 186.8 | 227 | 440 | 824 | 499 | 930 | 1706 | 771 | 1420 | 2588 | 1043 | 1910 | 3470 | 1316 | 2400 | 4352 |
| 3.89 | 39 | 102.2 | 30.6 | 87 | 188.6 | 232 | 450 | 842 | 504 | 940 | 1724 | 777 | 1430 | 2606 | 1049 | 1920 | 3488 | 1321 | 2410 | 4370 |
| 4.44 | 40 | 104.0 | 31.1 | 88 | 190.4 | 238 | 460 | 860 | 510 | 950 | 1742 | 782 | 1440 | 2624 | 1054 | 1930 | 3506 | 1327 | 2420 | 4388 |
| 5.00 | 41 | 105.8 | 31.7 | 89 | 192.2 | 243 | 470 | 878 | 516 | 960 | 1760 | 788 | 1450 | 2642 | 1060 | 1940 | 3524 | 1332 | 2430 | 4406 |
| 5.56 | 42 | 107.6 | 32.2 | 90 | 194.0 | 249 | 480 | 896 | 521 | 970 | 1778 | 793 | 1460 | 2660 | 1066 | 1950 | 3542 | 1338 | 2440 | 4424 |
| 6.11 | 43 | 109.4 | 32.8 | 91 | 195.8 | 254 | 490 | 914 | 527 | 980 | 1796 | 799 | 1470 | 2678 | 1071 | 1960 | 3560 | 1343 | 2450 | 4442 |
| 6.67 | 44 | 111.2 | 33.3 | 92 | 197.6 | 260 | 500 | 932 | 532 | 990 | 1814 | 804 | 1480 | 2696 | 1077 | 1970 | 3578 | 1349 | 2460 | 4460 |
| 7.22 | 45 | 113.0 | 33.9 | 93 | 199.4 | 266 | 510 | 950 | 538 | 1000 | 1832 | 810 | 1490 | 2714 | 1082 | 1980 | 3596 | 1354 | 2470 | 4478 |
| 7.78 | 46 | 114.8 | 34.4 | 94 | 201.2 | 271 | 520 | 968 | 543 | 1010 | 1850 | 816 | 1500 | 2732 | 1088 | 1990 | 3614 | 1360 | 2480 | 4496 |
| 8.33 | 47 | 116.6 | 35.0 | 95 | 203.0 | 277 | 530 | 986 | 549 | 1020 | 1868 | 821 | 1510 | 2750 | 1093 | 2000 | 3632 | 1366 | 2490 | 4514 |
| | | | 35.6 | 96 | 204.8 | 282 | 540 | 1004 | 554 | 1030 | 1886 | 827 | 1520 | 2768 | 1099 | 2010 | 3650 | 1371 | 2500 | 4532 |

Interpolation Factors

| °C | °F | °C | °F |
|------|----|-----|------|
| 0.55 | 1 | 1.8 | 3.33 |
| 1.11 | 2 | 3.6 | 3.88 |
| 1.66 | 3 | 5.4 | 4.44 |
| 2.22 | 4 | 7.2 | 5.00 |
| 2.77 | 5 | 9.0 | 5.55 |

Useful Conversion Formulas

$$°F = 9/5°C + 32$$

$$°C = 5/9 (°F - 32)$$

$$K = °C + 273$$

$$°R = °F + 460$$