



Temperature Conversion

Find the known temperature in the center column.
If you need the Centigrade conversion, go to the C column.
If you need the Fahrenheit conversion, go to the F column.

TEMPERATURE CONVERSION FORMULA

$C = 5/9 (F - 32)$

$F = 9/5 (C + 32)$

° C	TEMP.	° F	° C	TEMP.	° F	° C	TEMP.	° F	° C	TEMP.	° F	° C	TEMP.	° F
-45.0	-49.0	-56.2	-17.2	1.0	33.8	10.6	51.0	123.8	38.3	101.0	213.8	66.1	151.0	303.8
-44.4	-48.0	-54.4	-16.7	2.0	35.6	11.1	52.0	125.6	38.9	102.0	215.6	66.7	152.0	305.6
-43.9	-47.0	-52.6	-16.1	3.0	37.4	11.7	53.0	127.4	39.4	103.0	217.4	67.2	153.0	307.4
-43.3	-46.0	-50.8	-15.6	4.0	39.2	12.2	54.0	129.2	40.0	104.0	219.2	67.8	154.0	309.2
-42.8	-45.0	-49.0	-15.0	5.0	41.0	12.8	55.0	131.0	40.6	105.0	221.0	68.3	155.0	311.0
-42.2	-44.0	-47.2	-14.4	6.0	42.8	13.3	56.0	132.8	41.1	106.0	222.8	68.9	156.0	312.8
-41.7	-43.0	-45.4	-13.9	7.0	44.6	13.9	57.0	134.6	41.7	107.0	224.6	69.4	157.0	314.6
-41.1	-42.0	-43.6	-13.3	8.0	46.4	14.4	58.0	136.4	42.2	108.0	226.4	70.0	158.0	316.4
-40.6	-41.0	-41.8	-12.8	9.0	48.2	15.0	59.0	138.2	42.8	109.0	228.2	70.6	159.0	318.2
-40.0	-40.0	-40.0	-12.2	10.0	50.0	15.6	60.0	140.0	43.3	110.0	230.0	71.1	160.0	320.0
-39.4	-39.0	-38.2	-11.7	11.0	51.8	16.1	61.0	141.8	43.9	111.0	231.8	71.7	161.0	321.8
-38.9	-38.0	-36.4	-11.1	12.0	53.6	16.7	62.0	143.6	44.4	112.0	233.6	72.2	162.0	323.6
-38.3	-37.0	-34.6	-10.6	13.0	55.4	17.2	63.0	145.4	45.0	113.0	235.4	72.8	163.0	325.4
-37.8	-36.0	-32.8	-10.0	14.0	57.2	17.8	64.0	147.2	45.6	114.0	237.2	73.3	164.0	327.2
-37.2	-35.0	-31.0	-9.4	15.0	59.0	18.3	65.0	149.0	46.1	115.0	239.0	73.9	165.0	329.0
-36.7	-34.0	-29.2	-8.9	16.0	60.8	18.9	66.0	150.8	46.7	116.0	240.8	74.4	166.0	330.8
-36.1	-33.0	-27.4	-8.3	17.0	62.6	19.4	67.0	152.6	47.2	117.0	242.6	75.0	167.0	332.6
-35.6	-32.0	-25.6	-7.8	18.0	64.4	20.0	68.0	154.4	47.8	118.0	244.4	75.6	168.0	334.4
-35.0	-31.0	-23.8	-7.2	19.0	66.2	20.6	69.0	156.2	48.3	119.0	246.2	76.1	169.0	336.2
-34.4	-30.0	-22.0	-6.7	20.0	68.0	21.1	70.0	158.0	48.9	120.0	248.0	76.7	170.0	338.0
-33.9	-29.0	-20.2	-6.1	21.0	69.8	21.7	71.0	159.8	49.4	121.0	249.8	77.2	171.0	339.8
-33.3	-28.0	-18.4	-5.6	22.0	71.6	22.2	72.0	161.6	50.0	122.0	251.6	77.8	172.0	341.6
-32.8	-27.0	-16.6	-5.0	23.0	73.4	22.8	73.0	163.4	50.6	123.0	253.4	78.3	173.0	343.4
-32.2	-26.0	-14.8	-4.4	24.0	75.2	23.3	74.0	165.2	51.1	124.0	255.2	78.9	174.0	345.2
-31.7	-25.0	-13.0	-3.9	25.0	77.0	23.9	75.0	167.0	51.7	125.0	257.0	79.4	175.0	347.0
-31.1	-24.0	-11.2	-3.3	26.0	78.8	24.4	76.0	168.8	52.2	126.0	258.8	80.0	176.0	348.8
-30.6	-23.0	-9.4	-2.8	27.0	80.6	25.0	77.0	170.6	52.8	127.0	260.6	80.6	177.0	350.6



-30.0	-22.0	-7.6	-2.2	28.0	82.4	25.6	78.0	172.4	53.3	128.0	262.4	81.1	178.0	352.4
-29.4	-21.0	-5.8	-1.7	29.0	84.2	26.1	79.0	174.2	53.9	129.0	264.2	81.7	179.0	354.2
-28.9	-20.0	-4.0	-1.1	30.0	86.0	26.7	80.0	176.0	54.4	130.0	266.0	82.2	180.0	356.0
-28.3	-19.0	-2.2	-0.6	31.0	87.8	27.2	81.0	177.8	55.0	131.0	267.8	82.8	181.0	357.8
-27.8	-18.0	-0.4	0.0	32.0	89.6	27.8	82.0	179.6	55.6	132.0	269.6	83.3	182.0	359.6
-27.2	-17.0	1.4	0.6	33.0	91.4	28.3	83.0	181.4	56.1	133.0	271.4	83.9	183.0	361.4
-26.7	-16.0	3.2	1.1	34.0	93.2	28.9	84.0	183.2	56.7	134.0	273.2	84.4	184.0	363.2
-26.1	-15.0	5.0	1.7	35.0	95.0	29.4	85.0	185.0	57.2	135.0	275.0	85.0	185.0	365.0
-25.6	-14.0	6.8	2.2	36.0	96.8	30.0	86.0	186.8	57.8	136.0	276.8	85.6	186.0	366.8
-25.0	-13.0	8.6	2.8	37.0	98.6	30.6	87.0	188.6	58.3	137.0	278.6	86.1	187.0	368.6
-24.4	-12.0	10.4	3.3	38.0	100.4	31.1	88.0	190.4	58.9	138.0	280.4	86.7	188.0	370.4
-23.9	-11.0	12.2	3.9	39.0	102.2	31.7	89.0	192.2	59.4	139.0	282.2	87.2	189.0	372.2
-23.3	-10.0	14.0	4.4	40.0	104.0	32.2	90.0	194.0	60.0	140.0	284.0	87.8	190.0	374.0
-22.8	-9.0	15.8	5.0	41.0	105.8	32.8	91.0	195.8	60.6	141.0	285.8	88.3	191.0	375.8
-22.2	-8.0	17.6	5.6	42.0	107.6	33.3	92.0	197.6	61.1	142.0	287.6	88.9	192.0	377.6
-21.7	-7.0	19.4	6.1	43.0	109.4	33.9	93.0	199.4	61.7	143.0	289.4	89.4	193.0	379.4
-21.1	-6.0	21.2	6.7	44.0	111.2	34.4	94.0	201.2	62.2	144.0	291.2	90.0	194.0	381.2
-20.6	-5.0	23.0	7.2	45.0	113.0	35.0	95.0	203.0	62.8	145.0	293.0	90.6	195.0	383.0
-20.0	-4.0	24.8	7.8	46.0	114.8	35.6	96.0	204.8	63.3	146.0	294.8	91.1	196.0	384.8
-19.4	-3.0	26.6	8.3	47.0	116.6	36.1	97.0	206.6	63.9	147.0	296.6	91.7	197.0	386.6
-18.9	-2.0	28.4	8.9	48.0	118.4	36.7	98.0	208.4	64.4	148.0	298.4	92.2	198.0	388.4
-18.3	-1.0	30.2	9.4	49.0	120.2	37.2	99.0	210.2	65.0	149.0	300.2	92.8	199.0	390.2
-17.8	0.0	32.0	10.0	50.0	122.0	37.8	100.0	212.0	65.6	150.0	302.0	93.3	200.0	392.0