Temperature Conversions

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Scale		Temperature °C	Temperature °F		Temperature Interval °C	Temperature Interval °F
Celsius	x°C =	x	1.8x + 32	1°C =	1	9/5 = 1.8
Fahrenheit	x°F =	(x-32) / 1.8	x	1°F =	5/9	1

Temperature — Centrigrade (°C) Versus Fahrenheit (°F)
Note: The center columns of numbers, referred to as BASE TEMP., is the temperature in either degrees Fahrenheit (°F) or Centigrade (°C), whichever is desired to convert into the other. If degrees Centigrade is given, read degrees Fahrenheit to the right. If degrees Fahrenheit is given, read degrees Centigrade to the left.

Temperature			Temperature			Temperature			Temperature			Temperature		
°C	C or F	°F	°C	C or F	°F	°C	C or F	°F	°C	C or F	°F	°C	C or F	°F
−40.0	**−40**	−40.0	−15.0	**+5**	+41.0	+10.0	**+50**	+122.0	+35.0	**+95**	+203.0	+60.0	**+140**	+284.0
−39.4	**−39**	−38.2	−14.4	**+6**	+42.8	+10.6	**+51**	+123.8	+35.6	**+96**	+204.8	+60.6	**+141**	+285.8
−38.9	**−38**	−36.4	−13.9	**+7**	+44.6	+11.1	**+52**	+125.6	+36.1	**+97**	+206.6	+61.1	**+142**	+287.6
−38.3	**−37**	−34.6	−13.3	**+8**	+46.4	+11.7	**+53**	+127.4	+36.7	**+98**	+208.4	+61.7	**+143**	+289.4
−37.8	**−36**	−32.8	−12.8	**+9**	+48.2	+12.2	**+54**	+129.2	+37.2	**+99**	+210.2	+62.2	**+144**	+291.2
−37.2	**−35**	−31.0	−12.2	**+10**	+50.0	+12.8	**+55**	+131.0	+37.8	**+100**	+212.0	+62.8	**+145**	+293.0
−36.7	**−34**	−29.2	−11.7	**+11**	+51.8	+13.3	**+56**	+132.8	+38.3	**+101**	+213.8	+63.3	**+146**	+294.8
−36.1	**−33**	−27.4	−11.1	**+12**	+53.6	+13.9	**+57**	+134.6	+38.9	**+102**	+215.6	+63.9	**+147**	+296.6
−35.6	**−32**	−25.6	−10.6	**+13**	+55.4	+14.4	**+58**	+136.4	+39.4	**+103**	+217.4	+64.4	**+148**	+298.4
−35.0	**−31**	−23.8	−10.0	**+14**	+57.2	+15.0	**+59**	+138.2	+40.0	**+104**	+219.2	+65.0	**+149**	+300.2
−34.4	**−30**	−22.0	−9.4	**+15**	+59.0	+15.6	**+60**	+140.0	+40.6	**+105**	+221.0	+65.6	**+150**	+302.0
−33.9	**−29**	−20.2	−8.9	**+16**	+60.8	+16.1	**+61**	+141.8	+41.1	**+106**	+222.8	+66.1	**+151**	+303.8
−33.3	**−28**	−18.4	−8.3	**+17**	+62.6	+16.7	**+62**	+143.6	+41.7	**+107**	+224.6	+66.7	**+152**	+305.6
−32.8	**−27**	−16.6	−7.8	**+18**	+64.4	+17.2	**+63**	+145.4	+42.2	**+108**	+226.4	+67.2	**+153**	+307.4
−32.2	**−26**	−14.8	−7.2	**+19**	+66.2	+17.8	**+64**	+147.2	+42.8	**+109**	+228.2	+67.8	**+154**	+309.2
−31.7	**−25**	−13.0	−6.7	**+20**	+68.0	+18.3	**+65**	+149.0	+43.3	**+110**	+230.0	+68.3	**+155**	+311.0
−31.1	**−24**	−11.2	−6.1	**+21**	+69.8	+18.9	**+66**	+150.8	+43.9	**+111**	+231.8	+68.9	**+156**	+312.8
−30.6	**−23**	−9.4	−5.5	**+22**	+71.6	+19.4	**+67**	+152.6	+44.4	**+112**	+233.6	+69.4	**+157**	+314.6
−30.0	**−22**	−7.6	−5.0	**+23**	+73.4	+20.0	**+68**	+154.4	+45.0	**+113**	+235.4	+70.0	**+158**	+316.4
−29.4	**−21**	−5.8	−4.4	**+24**	+75.2	+20.6	**+69**	+156.2	+45.6	**+114**	+237.2	+70.6	**+159**	+318.2
−28.9	**−20**	−4.0	−3.9	**+25**	+77.0	+21.1	**+70**	+158.0	+46.1	**+115**	+239.0	+71.1	**+160**	+320.0
−28.3	**−19**	−2.2	−3.3	**+26**	+78.8	+21.7	**+71**	+159.8	+46.7	**+116**	+240.8	+71.7	**+161**	+321.8
−27.8	**−18**	−0.4	−2.8	**+27**	+80.6	+22.2	**+72**	+161.6	+47.2	**+117**	+242.6	+72.2	**+162**	+323.6
−27.2	**−17**	+1.4	−2.2	**+28**	+82.4	+22.8	**+73**	+163.4	+47.8	**+118**	+244.4	+72.8	**+163**	+325.4
−26.7	**−16**	+3.2	−1.7	**+29**	+84.2	+23.3	**+74**	+165.2	+48.3	**+119**	+246.2	+73.3	**+164**	+327.2
−26.1	**−15**	+5.0	−1.1	**+30**	+86.0	+23.9	**+75**	+167.0	+48.9	**+120**	+248.0	+73.9	**+165**	+329.0
−25.6	**−14**	+6.8	−0.6	**+31**	+87.8	+24.4	**+76**	+168.8	+49.4	**+121**	+249.8	+74.4	**+166**	+330.8
−25.0	**−13**	+8.6	.0	**+32**	+89.6	+25.0	**+77**	+170.6	+50.0	**+122**	+251.6	+75.0	**+167**	+332.6
−24.4	**−12**	+10.4	+0.6	**+33**	+91.4	+25.6	**+78**	+172.4	+50.6	**+123**	+253.4	+75.6	**+168**	+334.4
−23.9	**−11**	+12.2	+1.1	**+34**	+93.2	+26.1	**+79**	+174.2	+51.1	**+124**	+255.2	+76.1	**+169**	+336.2
−23.3	**−10**	+14.0	+1.7	**+35**	+95.0	+26.7	**+80**	+176.0	+51.7	**+125**	+257.0	+76.7	**+170**	+338.0
−22.8	**−9**	+15.8	+2.2	**+36**	+96.8	+27.2	**+81**	+177.8	+52.2	**+126**	+258.8	+77.2	**+171**	+339.8
22.2	**−8**	+17.6	+2.8	**+37**	+98.6	+27.8	**+82**	+179.6	+52.8	**+127**	+260.6	+77.8	**+172**	+341.6
−21.7	**−7**	+19.4	+3.3	**+38**	+100.4	+28.3	**+83**	+181.4	+53.3	**+128**	+262.4	+78.3	**+173**	+343.4
−21.1	**−6**	+21.2	+3.9	**+39**	+102.2	+28.9	**+84**	+183.2	+53.9	**+129**	+264.2	+78.9	**+174**	+345.2
20.6	**−5**	+23.0	+4.4	**+40**	+104.0	+29.4	**+85**	+185.0	+54.4	**+130**	+266.0	+79.4	**+175**	+347.0
−20.0	**−4**	+24.8	+5.0	**+41**	+105.8	+30.0	**+86**	+186.8	+55.0	**+131**	+267.8	+80.0	**+176**	+348.8
−19.4	**−3**	+26.6	+5.5	**+42**	+107.6	+30.6	**+87**	+188.6	+55.6	**+132**	+269.6	+80.6	**+177**	+350.6
−18.9	**−2**	+28.4	+6.1	**+43**	+109.4	+31.1	**+88**	+199.4	+56.1	**+133**	+271.4	+81.1	**+178**	+352.4
−18.3	**−1**	+30.2	+6.7	**+44**	+111.2	+31.7	**+89**	+192.2	+56.7	**+134**	+273.2	+81.7	**+179**	+354.2
−17.8	**0**	+32.0	+7.2	**+45**	+113.0	+32.2	**+90**	+194.0	+57.2	**+135**	+275.0	+82.2	**+180**	+356.0
−17.2	**+1**	+33.8	+7.8	**+46**	+114.8	+32.8	**+91**	+195.8	+57.8	**+136**	+276.8	+82.8	**+181**	+357.8
−16.7	**+2**	+35.6	+8.3	**+47**	+116.6	+33.3	**+92**	+197.6	+58.3	**+137**	+278.6	+83.3	**+182**	+359.6
−16.1	**+3**	+37.4	+8.9	**+48**	+118.4	+33.9	**+93**	+199.4	+58.9	**+138**	+280.4	+83.9	**+183**	+361.4
−15.6	**+4**	+39.2	+9.4	**+49**	+120.2	+34.4	**+94**	+201.2	+59.4	**+139**	+282.2	+84.4	**+184**	+363.2

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FOR INTERPOLATION IN THE ABOVE TABLE USE:

BASE TEMPERATURE (°F or °C):	1	2	3	4	5	6	7	8	9	10
DEGREES CENTIGRADE:	0.56	1.11	1.67	2.22	2.78	3.33	3.89	4.44	5.00	5.56
DEGREES FAHRENHEIT:	1.8	3.6	5.4	7.2	9.0	10.8	12.6	14.4	16.2	18.0