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Body temperature conversion table pdf printable celsius to fahrenheit chart

Blum FC, Biros MH. Fever in the adult patient. In: Walls RM, ed. Rosen's Emergency Medicine: Concepts and Clinical Practice. 10th ed. Philadelphia, PA: Elsevier; 2023:chap 8.Hall JE, Hall ME. Body temperature regulation and fever. In: Hall JE, Hall ME, eds. Guyton and Hall Textbook of Medical Physiology. 14th ed.

Fahrenheit & Centigrade Temperature Comparisons							
U.S.A. Degrees Fahrenheit	European Degrees Centigrade	U.S.A. Degrees Fahrenheit	European Degrees Centigrade	U.S.A. Degrees Fahrenheit	European Degrees Centigrade	U.S.A. Degrees Fahrenheit	European Degrees Centigrade
-30	-34.4	20	-6.7	60	15.5	90	32.2
-28	-33.3	22	-5.6	61	16.1	91	32.7
-26	-32.2	24	-4.4	62	16.7	92	33.3
-25	-31.6	25	-3.9	63	17.2	93	33.9
-24	-31.1	26	-3.3	64	17.8	94	34.4
-22	-30.0	28	-2.2	65	18.3	95	35.0
-20	-28.9	30	-1.1	66	18.9	96	35.5
-18	-27.8	32	0.0	67	19.4	97	36.1
-16	-26.6	34	1.1	68	20.0	98	36.6
-15	-26.1	35	1.7	69	20.5	99	37.2
-14	-25.5	36	2.2	70	21.1	100	37.7
-12	-24.4	38	3.3	71	21.6	101	38.3
-10	-23.3	40	4.4	72	22.2	102	38.9
-8	-22.2	42	5.6	73	22.8	103	39.4
-6	-21.1	44	6.7	74	23.3	104	40.0
-5	-20.5	45	7.2	75	23.9	105	40.5
-4	-20.0	46	7.8	76	24.4	106	41.1
-2	-18.9	47	8.3	77	25.0	107	41.6
0	-17.8	48	8.9	78	25.5	108	42.2
2	-16.7	49	9.4	79	26.1	110	43.3
4	-15.5	50	10.0	80	26.6	111	43.8
5	-15.0	51	10.5	81	27.2	112	44.4
6	-14.4	52	11.1	82	27.8	113	45.0
8	-13.3	53	11.7	83	28.3	114	45.5
10	-12.2	54	12.2	84	28.9	115	46.1
12	-11.1	55	12.8	85	29.4	116	46.6
14	-10.0	56	13.3	86	30.0	118	47.7
15	-9.4	57	13.9	87	30.5	120	48.8
16	-8.9	58	14.4	88	31.1	122	50.0
18	-7.8	59	15.0	89	31.6	212	100.0

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Rosen's Emergency Medicine: Concepts and Clinical Practice. 10th ed. Philadelphia, PA: Elsevier; 2023:chap 8.Hall JE, Hall ME. Body temperature regulation and fever. In: Hall JE, Hall ME, eds. Guyton and Hall Textbook of Medical Physiology. 14th ed. Philadelphia, PA: Elsevier; 2021:chap 74.Sajadi MM, Romanovsky AA. Temperature regulation and the pathogenesis of fever. In: Bennett JE, Dolin R, Blaser MJ, eds. Mandell, Douglas, and Bennett's Principles and Practice of Infectious Diseases. 9th ed. Philadelphia, PA: Elsevier; 2020:chap 55.

BODY TEMPERATURE CHART

COLOR DISPLAY INDICATOR	°C to °F Temperature Conversion Chart
*Lo* Icon will show if below 32°C	
White Font (stand by mode) below 35°C (95°F)	34.1°C = 93.4°F 35.0°C = 95.0°F 35.6°C = 96.0°F 36.1°C = 97.0°F 36.7°C = 98.0°F 37.3°C = 99.1°F
Green Font (normal) 35.1-37.3°C (95.1-99.1°F)	37.4°C = 99.3°F
Yellow Font (light fever) 37.4-38°C (99.3-100.4°F)	37.6°C = 99.6°F 38.0°C = 100.4°F
Orange Font (fever) 38.1-39°C (100.58-102.2°F)	38.1°C = 100.6°F 39.0°C = 102.2°F
Red Font (high fever) 39.1-42.9°C (102.4-109.2°F)	40.0°C = 104.0°F 41.0°C = 105.8°F 42.0°C = 107.6°F
*Hi* Icon will show if above 42.9°C	

Temperature regulation and the pathogenesis of fever. In: Bennett JE, Dolin R, Blaser MJ, eds. Mandell, Douglas, and Bennett's Principles and Practice of Infectious Diseases. 9th ed. Philadelphia, PA: Elsevier; 2020:chap 55.

CELSIUS TO FAHRENHEIT CONVERSION CHART																			
°C	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C	°F
-10.0	14.0	-9.0	15.8	-8.0	17.6	-7.0	19.4	-6.0	21.2	-5.0	23.0	-4.0	24.8	-3.0	26.6	-2.0	28.4	-1.0	30.2
-0.0	32.0	0.0	32.0	1.0	33.8	2.0	35.6	3.0	37.4	4.0	39.2	5.0	41.0	6.0	42.8	7.0	44.6	8.0	46.4
10.0	50.0	11.0	51.8	12.0	53.6	13.0	55.4	14.0	57.2	15.0	59.0	16.0	60.8	17.0	62.6	18.0	64.4	19.0	66.2
20.0	68.0	21.0	69.8	22.0	71.6	23.0	73.4	24.0	75.2	25.0	77.0	26.0	78.8	27.0	80.6	28.0	82.4	29.0	84.2
30.0	86.0	31.0	87.8	32.0	89.6	33.0	91.4	34.0	93.2	35.0	95.0	36.0	96.8	37.0	98.6	38.0	100.4	39.0	102.2
40.0	104.0	41.0	105.8	42.0	107.6	43.0	109.4	44.0	111.2	45.0	113.0	46.0	114.8	47.0	116.6	48.0	118.4	49.0	120.2
50.0	122.0	51.0	123.8	52.0	125.6	53.0	127.4	54.0	129.2	55.0	131.0	56.0	132.8	57.0	134.6	58.0	136.4	59.0	138.2
60.0	140.0	61.0	141.8	62.0	143.6	63.0	145.4	64.0	147.2	65.0	149.0	66.0	150.8	67.0	152.6	68.0	154.4	69.0	156.2
70.0	158.0	71.0	159.8	72.0	161.6	73.0	163.4	74.0	165.2	75.0	167.0	76.0	168.8	77.0	170.6	78.0	172.4	79.0	174.2
80.0	176.0	81.0	177.8	82.0	179.6	83.0	181.4	84.0	183.2	85.0	185.0	86.0	186.8	87.0	188.6	88.0	190.4	89.0	192.2
90.0	194.0	91.0	195.8	92.0	197.6	93.0	199.4	94.0	201.2	95.0	203.0	96.0	204.8	97.0	206.6	98.0	208.4	99.0	210.2
100.0	212.0	101.0	213.8	102.0	215.6	103.0	217.4	104.0	219.2	105.0	221.0	106.0	222.8	107.0	224.6	108.0	226.4	109.0	228.2
110.0	230.0	111.0	231.8	112.0	233.6	113.0	235.4	114.0	237.2	115.0	239.0	116.0	240.8	117.0	242.6	118.0	244.4	119.0	246.2
120.0	248.0	121.0	249.8	122.0	251.6	123.0	253.4	124.0	255.2	125.0	257.0	126.0	258.8	127.0	260.6	128.0	262.4	129.0	264.2
130.0	266.0	131.0	267.8	132.0	269.6	133.0	271.4	134.0	273.2	135.0	275.0	136.0	276.8	137.0	278.6	138.0	280.4	139.0	282.2
140.0	284.0	141.0	285.8	142.0	287.6	143.0	289.4	144.0	291.2	145.0	293.0	146.0	294.8	147.0	296.6	148.0	298.4	149.0	300.2
150.0	302.0	151.0	303.8	152.0	305.6	153.0	307.4	154.0	309.2	155.0	311.0	156.0	312.8	157.0	314.6	158.0	316.4	159.0	318.2
160.0	320.0	161.0	321.8	162.0	323.6	163.0	325.4	164.0	327.2	165.0	329.0	166.0	330.8	167.0	332.6	168.0	334.4	169.0	336.2
170.0	338.0	171.0	339.8	172.0	341.6	173.0	343.4	174.0	345.2	175.0	347.0	176.0	348.8	177.0	350.6	178.0	352.4	179.0	354.2
180.0	356.0	181.0	357.8	182.0	359.6	183.0	361.4	184.0	363.2	185.0	365.0	186.0	366.8	187.0	368.6	188.0	370.4	189.0	372.2
190.0	374.0	191.0	375.8	192.0	377.6	193.0	379.4	194.0	381.2	195.0	383.0	196.0	384.8	197.0	386.6	198.0	388.4	199.0	390.2
200.0	392.0	201.0	393.8	202.0	395.6	203.0	397.4	204.0	399.2	205.0	401.0	206.0	402.8	207.0	404.6	208.0	406.4	209.0	408.2
210.0	410.0	211.0	411.8	212.0	413.6	213.0	415.4	214.0	417.2	215.0	419.0	216.0	420.8	217.0	422.6	218.0	424.4	219.0	426.2
220.0	428.0	221.0	429.8	222.0	431.6	223.0	433.4	224.0	435.2	225.0	437.0	226.0	438.8	227.0	440.6	228.0	442.4	229.0	444.2
230.0	446.0	231.0	447.8	232.0	449.6	233.0	451.4	234.0	453.2	235.0	455.0	236.0	456.8	237.0	458.6	238.0	460.4	239.0	462.2
240.0	464.0	241.0	465.8	242.0	467.6	243.0	469.4	244.0	471.2	245.0	473.0	246.0	474.8	247.0	476.6	248.0	478.4	249.0	480.2
250.0	482.0	251.0	483.8	252.0	485.6	253.0	487.4	254.0	489.2	255.0	491.0	256.0	492.8	257.0	494.6	258.0	496.4	259.0	498.2
260.0	500.0	261.0	501.8	262.0	503.6	263.0	505.4	264.0	507.2	265.0	509.0	266.0	510.8	267.0	512.6	268.0	514.4	269.0	516.2
270.0	518.0	271.0	519.8	272.0	521.6	273.0	523.4	274.0	525.2	275.0	527.0	276.0	528.8	277.0	530.6	278.0	532.4	279.0	534.2
280.0	536.0	281.0	537.8	282.0	539.6	283.0	541.4	284.0	543.2	285.0	545.0	286.0	546.8	287.0	548.6	288.0	550.4	289.0	552.2
290.0	554.0	291.0	555.8	292.0	557.6	293.0	559.4	294.0	561.2	295.0	563.0	296.0	564.8	297.0	566.6	298.0	568.4	299.0	570.2
300.0	572.0	301.0	573.8	302.0	575.6	303.0	577.4	304.0	579.2	305.0	581.0	306.0	582.8	307.0	584.6	308.0	586.4	309.0	588.2
310.0	590.0	311.0	591.8	312.0	593.6	313.0	595.4	314.0	597.2	315.0	599.0	316.0	600.8	317.0	602.6	318.0	604.4	319.0	606.2
320.0	608.0	321.0	609.8	322.0	611.6	323.0	613.4	324.0	615.2	325.0	617.0	326.0	618.8	327.0	620.6	328.0	622.4	329.0	624.2
330.0	626.0	331.0	627.8	332.0	629.6	333.0	631.4	334.0	633.2	335.0	635.0	336.0	636.8	337.0	638.6	338.0	640.4	339.0	642.2
340.0	644.0	341.0	645.8	342.0	647.6	343.0	649.4	344.0	651.2	345.0	653.0	346.0	654.8	347.0	656.6	348.0	658.4	349.0	660.2
350.0	662.0	351.0	663.8	352.0	665.6	353.0	667.4	354.0	669.2	355.0	671.0	356.0	672.8	357.0	674.6	358.0	676.4	359.0	678.2
360.0	680.0	361.0	681.8	362.0	683.6	363.0	685.4	364.0	687.2	365.0	689.0	366.0	690.8	367.0	692.6	368.0	694.4	369.0	696.2
370.0	698.0	371.0	699.8	372.0	701.6	373.0	703.4	374.0	705.2	375.0	707.0	376.0	708.8	377.0	710.6	378.0	712.4	379.0	714.2
380.0	716.0	381.0	717.8	382.0	719.6	383.0	721.4	384.0	723.2	385.0	725.0	386.0	726.8	387.0	728.6	388.0	730.4	389.0	732.2
390.0	734.0	391.0	735.8	392.0	737.6	393.0	739.4	394.0	741.2	395.0	743.0	396.0	744.8	397.0	746.6	398.0	748.4	399.0	750.2
400.0	752.0	401.0	753.8	402.0	755.6	403.0	757.4	404.0	759.2	405.0	761.0	406.0	762.8	407.0	764.6	408.0	766.4	409.0	768.2
410.0	770.0	411.0	771.8	412.0	773.6	413.0	775.4	414.0	777.2	415.0	779.0	416.0	780.8	417.0	782.6	418.0	784.4	419.0	786.2</



CELSIUS TO FAHRENHEIT CONVERSION CHART			
CELSIUS (°C)	FAHRENHEIT (°F)	CELSIUS (°C)	FAHRENHEIT (°F)
-40	-40	95	203
-35	-31	100	212
-30	-22	105	221
-25	-13	110	230
-20	-4	115	239
-15	5	120	248
-10	14	125	257
-5	23	130	266
0	32	135	275
5	41	140	284
10	50	145	293
15	59	150	302
20	68	155	311
25	77	160	320
30	86	165	329
35	95	170	338
40	104	175	347
45	113	180	356
50	122	185	365
55	131	190	374
60	140	195	383
65	149	200	392
70	158	205	401
75	167	210	410
80	176	215	419
85	185	220	428
90	194	225	437

Temperature regulation and the pathogenesis of fever. In: Bennett JE, Dolin R, Blaser MJ, eds. Mandell, Douglas, and Bennett's Principles and Practice of Infectious Diseases. 9th ed. Philadelphia, PA: Elsevier; 2020:chap 55. Body Temperature Conversion Table This chart is provided for those who want to convert Celsius to Fahrenheit for body temperatures. This is especially useful for those who are used to the Fahrenheit scales since most hospitals measure temperature in Celsius. For greatly expanded conversion tables, see the Fahrenheit to Celsius conversion table and the Celsius to Fahrenheit conversion table. To convert a temperature in Fahrenheit to Celsius, subtract 32 from the Fahrenheit temperature and multiply that number by 0.555. To convert a temperature in Celsius to Fahrenheit, multiply 1.8 by the Celsius temperature and then add 32 to that number. For other measurements, please visit the MedFriendly Measurements section. °C°F 40.6105.1 40.4104.7 40.2104.3 40.0104.0 39.8103.7 39.6103.3 39.4102.9 39.2102.6 39.0102.2 38.8101.8 38.6101.5 38.4101.2 38.2100.8 38.0100.4 37.8100.1 37.699.7 37.499.3 37.299.0 37.098.6 36.096.8 35.095.0 34.093.2 33.091.4 32.089.6 31.087.8 30.086.0 29.085.2 28.082.4 27.080.6 Format DecimalFractions Accuracy Select resolution 1 significant figure 2 significant figures 3 significant figures 4 significant figures 5 significant figures 6 significant figures 7 significant figures 8 significant figures Note: Fractional results are rounded to the nearest 1/64. For a more accurate answer please select 'decimal' from the options above the result. Note: You can increase or decrease the accuracy of this answer by selecting the number of significant figures required from the options above the result. Note: For a pure decimal result please select 'decimal' from the options above the result. Celsius to Fahrenheit conversion is probably the most confusing conversion there is, but a simple °C to °F conversion is actually quite easy - just double the °C figure and add 30. This should be reasonably accurate for weather temperatures. Absolute Zero -273.15°C -459.67°F Parity -40.00°C -40°F Freezing point 0°C 32°F Body Temperature 37°C 98.6°F Boiling point 100°C 212°F Celsius and Fahrenheit definition The Celsius temperature range was originally defined by setting zero as the temperature at which water froze. Zero degrees C was later redefined as the temperature at which ice melts. The other point at which Celsius was set - 100 degrees Celsius - was defined as the boiling point of water. Since its definition, the Celsius scale has been redefined to peg it to Kelvin. Zero degrees Celsius is now defined as 273.15K. As one degree Celsius is equal to one Kelvin, boiling point of water is equal to 273.15 + 100 = 373.15 Kelvin.The Fahrenheit temperature range is based on setting the freezing point of water at 32 degrees, and boiling to 212 degrees. This means that boiling and freezing point are 180 degrees apart. Absolute zero is defined as -459.67°F. Celsius to Fahrenheit formula Because both Celsius and Fahrenheit scales are offset- ie neither are defined as starting at zero. On top of that, for every additional unit of heat energy the Celsius and Fahrenheit scales add a different additional value. Because of this setup, it's impossible to say that doubling the °C or °F value doubles the amount of heat energy, so it's difficult to get an intuitive grasp of how much energy 1 degree Fahrenheit or Celsius actually is. The only temperature system that works intuitively - where a doubling of value doubles the energy - is Kelvin, where absolute zero is 0, body temperature is 310.15K and boiling water is 373.15K. The problem with the Kelvin scale is that the zero end of the scale is too far from human experience to be useful - as anyone who set their room temperature to 20.5 Kelvin would attest, if they lived long enough. What is the difference between Centigrade and Celsius? It's just a naming convention. Degrees Centigrade and degrees Celsius are the same thing. Degrees Celsius (invented by Anders Celsius) are sometimes called Centigrade, because the scale was defined between 0 and 100 degrees, hence centi-grade meaning a scale consisting of 1/100ths. Common conversions from Celsius to Fahrenheit 25°C= 77°F 30°C= 86°F 33°C= 91.4°F 35°C= 95°F 40°C= 104°F 180°C= 356°F Common misspellings of Celsius Common misspellings of Fahrenheit Farenheit Farenheight Ferenheit Ferenheight Ferinhiet Ferinheight Fahrinhieght Fahenhet Start Increments Increment: 1000 Increment: 100 Increment: 20 Increment: 10 Increment: 5 Increment: 2 Increment: 1 Increment: 0.1 Increment: 0.01 Increment: 0.001 Fractional: 1/64 Fractional: 1/32 Fractional: 1/16 Fractional: 1/4 Fractional: 1/2 Accuracy Select resolution 1 significant figure 2 significant figures 3 significant figures 4 significant figures 5 significant figures 6 significant figures 7 significant figures 8 significant figures 9 significant figures Format DecimalFractions Print table < Smaller Values Larger Values > Celsius Fahrenheit 0°C 32.00°F 1°C 33.80°F 2°C 35.60°F 3°C 37.40°F 4°C 39.20°F 5°C 41.00°F 6°C 42.80°F 7°C 44.60°F 8°C 46.40°F 9°C 48.20°F 10°C 50.00°F 11°C 51.80°F 12°C 53.60°F 13°C 55.40°F 14°C 57.20°F 15°C 59.00°F 16°C 60.80°F 17°C 62.60°F 18°C 64.40°F 19°C 66.20°F Celsius Fahrenheit 20°C 68.00°F 21°C 69.80°F 22°C 71.60°F 23°C 73.40°F 24°C 75.20°F 25°C 77.00°F 26°C 78.80°F 27°C 80.60°F 28°C 82.40°F 29°C 84.20°F 30°C 86.00°F 31°C 87.80°F 32°C 89.60°F 33°C 91.40°F 34°C 93.20°F 35°C 95.00°F 36°C 96.80°F 37°C 98.60°F 38°C 100.40°F 39°C 102.20°F Celsius Fahrenheit 40°C 104.00°F 41°C 105.80°F 42°C 107.60°F 43°C 109.40°F 44°C 111.20°F 45°C 113.00°F 46°C 114.80°F 47°C 116.60°F 48°C 118.40°F 49°C 120.20°F 50°C 122.00°F 51°C 123.80°F 52°C 125.60°F 53°C 127.40°F 54°C 129.20°F 55°C 131.00°F 56°C 132.80°F 57°C 134.60°F 58°C 136.40°F 59°C 138.20°F There are no alerts at this time. Alerts There are no alerts at this time.