

Temperature Conversion

Celsius (C) To Fahrenheit (F) — Fahrenheit (F) To Celsius

-459.4° to 0°			1° to 60°			61° to 290°			300° to 890°			900° to 3000°		
C	CEL. OR FAH.	F	C	CEL. OR FAH.	F	C	CEL. OR FAH.	F	C	CEL. OR FAH.	F	C	CEL. OR FAH.	F
-273	-459.4		-17.2	1	33.8	16.1	61	141.8	149	300	572	482	900	1652
-268	-450		-16.7	2	35.6	16.7	62	143.6	154	310	590	488	910	1662
-262	-440		-16.1	3	37.4	17.2	63	145.4	160	320	608	493	920	1688
-257	-430		-15.6	4	39.2	17.8	64	147.2	166	330	626	499	930	1706
-251	-420		-15.0	5	41.0	18.3	65	149.0	171	340	644	504	940	1724
-246	-410		-14.4	6	42.8	18.9	66	150.8	177	350	662	510	950	1742
-240	-400		-13.9	7	44.6	19.4	67	152.6	182	360	680	516	960	1760
-234	-390		-13.3	8	46.4	20.0	68	154.4	188	370	698	521	970	1778
-229	-380		-12.8	9	48.2	20.6	69	156.2	193	380	716	527	980	1796
-223	-370		-12.2	10	50.0	21.1	70	158.0	199	390	734	532	990	1814
-218	-360		-11.7	11	51.8	21.7	71	159.8	204	400	752	538	1000	1832
-212	-350		-11.1	12	53.6	22.2	72	161.6	210	410	770	549	1020	1868
-207	-340		-10.6	13	55.4	22.8	73	163.4	215	420	788	560	1040	1904
-201	-330		-10.0	14	57.2	23.3	74	165.2	221	430	806	571	1070	1940
-196	-320		-9.4	15	59.0	23.9	75	167.0	227	440	824	582	1080	1976
-190	-310		-8.9	16	60.8	24.4	76	168.8	232	450	842	589	1100	2012
-184	-300		-8.3	17	62.6	25.0	77	170.6	238	460	860	604	1120	2048
-179	-290		-7.8	18	64.4	25.6	78	172.4	243	470	878	616	1140	2084
-173	-280		-7.2	19	66.2	26.1	79	174.2	249	480	896	627	1160	2120
-169	-273	-459.4	-6.7	20	68.0	26.7	80	176.0	254	490	914	638	1180	2156
-168	-270	-454	-6.1	21	69.8	27.2	81	177.8	260	500	932	649	1200	2192
-162	-260	-436	-5.6	22	71.6	27.8	82	179.6	266	510	950	660	1220	2228
-157	-250	-418	-5.0	23	73.4	28.3	83	181.4	271	520	968	671	1240	2264
-151	-240	-400	-4.4	24	75.2	28.9	84	183.2	277	530	986	682	1260	2300
-146	-230	-382	-3.9	25	77.0	29.4	85	185.0	282	540	1004	693	1280	2336
-140	-220	-364	-3.3	26	78.8	30.0	86	186.8	288	550	1022	704	1300	2372
-134	-210	-346	-2.8	27	80.6	30.6	87	188.6	293	560	1040	732	1350	2462
-129	-200	-328	-2.2	28	82.4	31.1	88	190.4	299	570	1058	760	1400	2552
-123	-190	-310	-1.7	29	84.2	31.7	89	192.2	304	580	1076	788	1450	2642
-118	-180	-292	-1.1	30	86.0	32.2	90	194.0	310	590	1094	816	1500	2732
-112	-170	-274	-0.6	31	87.8	32.8	91	195.8	316	600	1112	843	1550	2822
-107	-160	-256	0.0	32	89.6	33.3	92	197.6	321	610	1130	871	1600	2912
-101	-150	-238	0.6	33	91.4	33.9	93	199.4	327	620	1148	899	1650	3002
-96	-140	-220	1.1	34	93.2	34.4	94	201.2	332	630	1166	927	1700	3092
-90	-130	-202	1.7	35	95.0	35.0	95	203.0	338	640	1184	954	1750	3182
-84	-120	-184	2.2	36	96.8	35.6	96	204.8	343	650	1202	982	1800	3272
-79	-110	-166	2.8	37	98.6	36.1	97	206.6	349	660	1220	1010	1850	3362
-73	-100	-148	3.3	38	100.4	36.7	98	208.4	354	670	1238	1038	1900	3452
-68	-90	-130	3.9	39	102.2	37.2	99	210.2	360	680	1256	1066	1950	3542
-62	-80	-112	4.4	40	104.0	37.8	100	212.0	366	690	1274	1093	2000	3632
-57	-70	-94	5.0	41	105.8	38.3	101	213.8	371	700	1292	1121	2050	3722
-51	-60	-76	5.6	42	107.6	38.9	102	215.6	377	710	1310	1149	2100	3812
-46	-50	-58	6.1	43	109.4	39.4	103	217.4	382	720	1328	1177	2150	3902
-40	-40	-40	6.7	44	111.2	40.0	104	219.2	388	730	1346	1204	2200	3992
-34	-30	-22	7.2	45	113.0	40.6	105	221.0	393	740	1364	1232	2250	4082
-29	-20	-4	7.8	46	114.8	41.1	106	222.8	399	750	1382	1260	2300	4172
-23	-14	32	8.3	47	116.6	41.7	107	224.6	404	760	1400	1288	2350	4262
-17.8	0		8.9	48	118.4	42.2	108	226.4	410	770	1418	1316	2400	4352
			9.4	49	120.2	42.8	109	228.2	416	780	1436	1343	2450	4442
			10.0	50	122.0	43.3	110	230.0	421	790	1454	1371	2500	4532
			10.6	51	123.8	43.9	111	231.8	427	800	1472	1399	2550	4622
			11.1	52	125.6	44.4	112	233.6	432	810	1490	1427	2600	4712
			11.7	53	127.4	45.0	113	235.4	438	820	1508	1454	2650	4802
			12.2	54	129.2	45.6	114	237.2	443	830	1526	1482	2700	4892
			12.8	55	131.0	46.1	115	239.0	449	840	1544	1510	2750	4982
			13.3	56	132.8	46.7	116	240.8	454	850	1562	1538	2800	5072
			13.9	57	134.6	47.2	117	242.6	460	860	1580	1566	2850	5162
			14.4	58	136.4	47.8	118	244.4	466	870	1598	1593	2900	5252
			15.0	59	138.2	48.3	119	246.2	471	880	1616	1621	2950	5342
			15.6	60	140.0	48.9	120	248.0	477	890	1634	1649	3000	5432

Conversion Formulas
 $C = \frac{5}{9} (F - 32)$
 $F = \frac{9}{5} C + 32$

Locate temperature in middle column. If in degrees Celsius, read Fahrenheit equivalent in right-hand column; if in degrees Fahrenheit, read Celsius equivalent in left-hand column.

Weight Conversion

Pounds to Kilograms (1 pound = 0.4536 kilogram)										
Pounds	0	1	2	3	4	5	6	7	8	9
0	0.00	0.45	0.91	1.36	1.81	2.27	2.72	3.18	3.63	4.08
10	4.54	4.99	5.44	5.90	6.35	6.80	7.26	7.71	8.16	8.62
20	9.07	9.53	9.98	10.43	10.89	11.34	11.79	12.25	12.70	13.15
30	13.61	14.06	14.52	14.97	15.42	15.88	16.33	16.78	17.24	17.69
40	18.14	18.60	19.05	19.50	19.96	20.41	20.87	21.32	21.77	22.23
50	22.68	23.13	23.59	24.04	24.49	24.95	25.40	25.86	26.31	26.76
60	27.22	27.67	28.12	28.58	29.03	29.48	29.94	30.39	30.84	31.30
70	31.75	32.21	32.66	33.11	33.57	34.02	34.47	34.93	35.38	35.83
80	36.29	36.74	37.20	37.65	38.10	38.56	39.01	39.46	39.92	40.37
90	40.82	41.28	41.73	42.18	42.64	43.09	43.55	44.00	44.45	44.91

Kilograms to Pounds (1 kilogram = 2.2046 pounds)										
Kilograms	0	1	2	3	4	5	6	7	8	9
0	0.00	2.20	4.41	6.61	8.82	11.02	13.23	15.43	17.64	19.84
10	22.05	24.25	26.46	28.66	30.86	33.07	35.27	37.48	39.68	41.89
20	44.09	46.30	48.50	50.71	52.91	55.12	57.32	59.52	61.73	63.93
30	66.14	68.34	70.55	72.75	74.96	77.16	79.37	81.57	83.77	85.98
40	88.18	90.39	92.59	94.80	97.00	99.21	101.41	103.62	105.82	108.03
50	110.23	112.43	114.64	116.84	119.05	121.25	123.46	125.66	127.87	130.07
60	132.28	134.48	136.69	138.89	141.09	143.30	145.50	147.71	149.91	152.12
70	154.32	156.53	158.73	160.94	163.14	165.35	167.55	169.75	171.96	174.16
80	176.37	178.57	180.87	182.98	185.19	187.39	189.60	191.80	194.00	196.21
90	198.41	200.62	202.82	205.03	207.23	209.44	211.64	213.85	216.05	218.26

Pressure Conversion

Bar to Pounds per Square Inch
(1 Bar = 10⁵ Pa = 14.5 pounds per square inch)

1 to 20		21 to 40		41 to 60		61 to 80		81 to 100	
Bar	Lbs. per Sq. Inch	Bar	Lbs. per Sq. Inch	Bar	Lbs. per Sq. Inch	Bar	Lbs. per Sq. Inch	Bar	Lbs. per Sq. Inch
1	14.5	21	304.5	41	594.5	61	884.5	81	1174.5
2	29.0	22	319.0	42	609.0	62	899.0	82	1189.0
3	43.5	23	333.5	43	623.5	63	913.5	83	1203.5
4	58.0	24	348.0	44	638.0	64	928.0	84	1218.0
5	72.5	25	362.5	45	652.5	65	942.5	85	1232.5
6	87.0	26	377.0	46	667.0	66	957.0	86	1247.0
7	101.5	27	391.5	47	681.5	67	971.5	87	1261.5
8	116.0	28	406.0	48	696.0	68	986.0	88	1276.0
9	130.5	29	420.5	49	710.5	69	1000.5	89	1290.5
10	145.0	30	435.0	50	725.0	70	1015.0	90	1305.0
11	159.5	31	449.5	51	739.5	71	1029.5	91	1319.5
12	174.0	32	464.0	52	754.0	72	1044.0	92	1334.0
13	188.5	33	478.5	53	768.5	73	1058.5	93	1348.5
14	203.0	34	493.0	54	783.0	74	1073.0	94	1363.0
15	217.5	35	507.5	55	797.5	75	1087.5	95	1377.5
16	232.0	36	522.0	56	812.0	76	1102.0	96	1392.0
17	246.5	37	536.5	57	826.5	77	1116.5	97	1406.5
18	261.0	38	551.0	58	841.0	78	1131.0	98	1421.0
19	275.5	39	565.5	59	855.5	79	1145.5	99	1435.5
20	290.0	40	580.0	60	870.0	80	1160.0	100	1450.0