

**TABLE 29**  
Conversion Tables for Thermometer Scales

F = Fahrenheit, C = Celsius (centigrade), K = Kelvin

F	C	K	F	C	K	C	F	K	K	F	C
°	°	°	°	°	°	°	°	°	°	°	°
-20	-28.9	244.3	+40	+4.4	277.6	-25	-13.0	248.2	250	-9.7	-23.2
19	28.3	244.8	41	5.0	278.2	24	11.2	249.2	251	7.9	22.2
18	27.8	245.4	42	5.6	278.7	23	9.4	250.2	252	6.1	21.2
17	27.2	245.9	43	6.1	279.3	22	7.6	251.2	253	4.3	20.2
16	26.7	246.5	44	6.7	279.8	21	5.8	252.2	254	2.5	19.2
-15	-26.1	247.0	+45	+7.2	280.4	-20	-4.0	253.2	255	-0.7	-18.2
14	25.6	247.6	46	7.8	280.9	19	2.2	254.2	256	+1.1	17.2
13	25.0	248.2	47	8.3	281.5	18	-0.4	255.2	257	2.9	16.2
12	24.4	248.7	48	8.9	282.0	17	+1.4	256.2	258	4.7	15.2
11	23.9	249.3	49	9.4	282.6	16	3.2	257.2	259	6.5	14.2
-10	-23.3	249.8	+50	+10.0	283.2	-15	+5.0	258.2	260	+8.3	-13.2
9	22.8	250.4	51	10.6	283.7	14	6.8	259.2	261	10.1	12.2
8	22.2	250.9	52	11.1	284.3	13	8.6	260.2	262	11.9	11.2
7	21.7	251.5	53	11.7	284.8	12	10.4	261.2	263	13.7	10.2
6	21.1	252.0	54	12.2	285.4	11	12.2	262.2	264	15.5	9.2
-5	-20.6	252.6	+55	+12.8	285.9	-10	+14.0	263.2	265	+17.3	-8.2
4	20.0	253.2	56	13.3	286.5	9	15.8	264.2	266	19.1	7.2
3	19.4	253.7	57	13.9	287.0	8	17.6	265.2	267	20.9	6.2
2	18.9	254.3	58	14.4	287.6	7	19.4	266.2	268	22.7	5.2
-1	18.3	254.8	59	15.0	288.2	6	21.2	267.2	269	24.5	4.2
0	-17.8	255.4	+60	+15.6	288.7	-5	+23.0	268.2	270	+26.3	-3.2
+1	17.2	255.9	61	16.1	289.3	4	24.8	269.2	271	28.1	2.2
2	16.7	256.5	62	16.7	289.8	3	26.6	270.2	272	29.9	1.2
3	16.1	257.0	63	17.2	290.4	2	28.4	271.2	273	31.7	-0.2
4	15.6	257.6	64	17.8	290.9	-1	30.2	272.2	274	33.5	+0.8
+5	-15.0	258.2	+65	+18.3	291.5	0	+32.0	273.2	275	+35.3	+1.8
6	14.4	258.7	66	18.9	292.0	+1	33.8	274.2	276	37.1	2.8
7	13.9	259.3	67	19.4	292.6	2	35.6	275.2	277	38.9	3.8
8	13.3	259.8	68	20.0	293.2	3	37.4	276.2	278	40.7	4.8
9	12.8	260.4	69	20.6	293.7	4	39.2	277.2	279	42.5	5.8
+10	-12.2	260.9	+70	+21.1	294.3	+5	+41.0	278.2	280	+44.3	+6.8
11	11.7	261.5	71	21.7	294.8	6	42.8	279.2	281	46.1	7.8
12	11.1	262.0	72	22.2	295.4	7	44.6	280.2	282	47.9	8.8
13	10.6	262.6	73	22.8	295.9	8	46.4	281.2	283	49.7	9.8
14	10.0	263.2	74	23.3	296.5	9	48.2	282.2	284	51.5	10.8
+15	-9.4	263.7	+75	+23.9	297.0	+10	+50.0	283.2	285	+53.3	+11.8
16	8.9	264.3	76	24.4	297.6	11	51.8	284.2	286	55.1	12.8
17	8.3	264.8	77	25.0	298.2	12	53.6	285.2	287	56.9	13.8
18	7.8	265.4	78	25.6	298.7	13	55.4	286.2	288	58.7	14.8
19	7.2	265.9	79	26.1	299.3	14	57.2	287.2	289	60.5	15.8
+20	-6.7	266.5	+80	+26.7	299.8	+15	+59.0	288.2	290	+62.3	+16.8
21	6.1	267.0	81	27.2	300.4	16	60.8	289.2	291	64.1	17.8
22	5.6	267.6	82	27.8	300.9	17	62.6	290.2	292	65.9	18.8
23	5.0	268.2	83	28.3	301.5	18	64.4	291.2	293	67.7	19.8
24	4.4	268.7	84	28.9	302.0	19	66.2	292.2	294	69.5	20.8
+25	-3.9	269.3	+85	+29.4	302.6	+20	+68.0	293.2	295	+71.3	+21.8
26	3.3	269.8	86	30.0	303.2	21	69.8	294.2	296	73.1	22.8
27	2.8	270.4	87	30.6	303.7	22	71.6	295.2	297	74.9	23.8
28	2.2	270.9	88	31.1	304.3	23	73.4	296.2	298	76.7	24.8
29	1.7	271.5	89	31.7	304.8	24	75.2	297.2	299	78.5	25.8
+30	-1.1	272.0	+90	+32.2	305.4	+25	+77.0	298.2	300	+80.3	+26.8
31	0.6	272.6	91	32.8	305.9	26	78.8	299.2	301	82.1	27.8
32	0.0	273.2	92	33.3	306.5	27	80.6	300.2	302	83.9	28.8
33	+0.6	273.7	93	33.9	307.0	28	82.4	301.2	303	85.7	29.8
34	1.1	274.3	94	34.4	307.6	29	84.2	302.2	304	87.5	30.8
+35	+1.7	274.8	+95	+35.0	308.2	+30	+86.0	303.2	305	+89.3	+31.8
36	2.2	275.4	96	35.6	308.7	31	87.8	304.2	306	91.1	32.8
37	2.8	275.9	97	36.1	309.3	32	89.6	305.2	307	92.9	33.8
38	3.3	276.5	98	36.7	309.8	33	91.4	306.2	308	94.7	34.8
39	3.9	277.0	99	37.2	310.4	34	93.2	307.2	309	96.5	35.8
+40	+4.4	277.6	+100	+37.8	310.9	+35	+95.0	308.2	310	+98.3	+36.8





**TABLE 34**  
 Conversion Table for hecto-Pascals (millibars), Inches of Mercury, and Millimeters of Mercury

hPa	Inches	Millimeters	hPa	Inches	Millimeters	hPa	Inches	Millimeters
900	26.58	675.1	960	28.35	720.1	1020	30.12	765.1
901	26.61	675.8	961	28.38	720.8	1021	30.15	765.8
902	26.64	676.6	962	28.41	721.6	1022	30.18	766.6
903	26.67	677.3	963	28.44	722.3	1023	30.21	767.3
904	26.70	678.1	964	28.47	723.1	1024	30.24	768.1
905	26.72	678.8	965	28.50	723.8	1025	30.27	768.8
906	26.75	679.6	966	28.53	724.6	1026	30.30	769.6
907	26.78	680.3	967	28.56	725.3	1027	30.33	770.3
908	26.81	681.1	968	28.58	726.1	1028	30.36	771.1
909	26.84	681.8	969	28.61	726.8	1029	30.39	771.8
910	26.87	682.6	970	28.64	727.6	1030	30.42	772.6
911	26.90	683.3	971	28.67	728.3	1031	30.45	773.3
912	26.93	684.1	972	28.70	729.1	1032	30.47	774.1
913	26.96	684.8	973	28.73	729.8	1033	30.50	774.8
914	26.99	685.6	974	28.76	730.6	1034	30.53	775.6
915	27.02	686.3	975	28.79	731.3	1035	30.56	776.3
916	27.05	687.1	976	28.82	732.1	1036	30.59	777.1
917	27.08	687.8	977	28.85	732.8	1037	30.62	777.8
918	27.11	688.6	978	28.88	733.6	1038	30.65	778.6
919	27.14	689.3	979	28.91	734.3	1039	30.68	779.3
920	27.17	690.1	980	28.94	735.1	1040	30.71	780.1
921	27.20	690.8	981	28.97	735.8	1041	30.74	780.8
922	27.23	691.6	982	29.00	736.6	1042	30.77	781.6
923	27.26	692.3	983	29.03	737.3	1043	30.80	782.3
924	27.29	693.1	984	29.06	738.1	1044	30.83	783.1
925	27.32	693.8	985	29.09	738.8	1045	30.86	783.8
926	27.34	694.6	986	29.12	739.6	1046	30.89	784.6
927	27.37	695.3	987	29.15	740.3	1047	30.92	785.3
928	27.40	696.1	988	29.18	741.1	1048	30.95	786.1
929	27.43	696.8	989	29.21	741.8	1049	30.98	786.8
930	27.46	697.6	990	29.23	742.6	1050	31.01	787.6
931	27.49	698.3	991	29.26	743.3	1051	31.04	788.3
932	27.52	699.1	992	29.29	744.1	1052	31.07	789.1
933	27.55	699.8	993	29.32	744.8	1053	31.10	789.8
934	27.58	700.6	994	29.35	745.6	1054	31.12	790.6
935	27.61	701.3	995	29.38	746.3	1055	31.15	791.3
936	27.64	702.1	996	29.41	747.1	1056	31.18	792.1
937	27.67	702.8	997	29.44	747.8	1057	31.21	792.8
938	27.70	703.6	998	29.47	748.6	1058	31.24	793.6
939	27.73	704.3	999	29.50	749.3	1059	31.27	794.3
940	27.76	705.1	1000	29.53	750.1	1060	31.30	795.1
941	27.79	705.8	1001	29.56	750.8	1061	31.33	795.8
942	27.82	706.6	1002	29.59	751.6	1062	31.36	796.6
943	27.85	707.3	1003	29.62	752.3	1063	31.39	797.3
944	27.88	708.1	1004	29.65	753.1	1064	31.42	798.1
945	27.91	708.8	1005	29.68	753.8	1065	31.45	798.8
946	27.94	709.6	1006	29.71	754.6	1066	31.48	799.6
947	27.96	710.3	1007	29.74	755.3	1067	31.51	800.3
948	27.99	711.1	1008	29.77	756.1	1068	31.54	801.1
949	28.02	711.8	1009	29.80	756.8	1069	31.57	801.8
950	28.05	712.6	1010	29.83	757.6	1070	31.60	802.6
951	28.08	713.3	1011	29.85	758.3	1071	31.63	803.3
952	28.11	714.1	1012	29.88	759.1	1072	31.66	804.1
953	28.14	714.8	1013	29.91	759.8	1073	31.69	804.8
954	28.17	715.6	1014	29.94	760.6	1074	31.72	805.6
955	28.20	716.3	1015	29.97	761.3	1075	31.74	806.3
956	28.23	717.1	1016	30.00	762.1	1076	31.77	807.1
957	28.26	717.8	1017	30.03	762.8	1077	31.80	807.8
958	28.29	718.6	1018	30.06	763.6	1078	31.83	808.6
959	28.32	719.3	1019	30.09	764.3	1079	31.86	809.3
960	28.35	720.1	1020	30.12	765.1	1080	31.89	810.1



