

The following table shows the temperaments of [Instrument-Tuner](#) by cents deviation from equal tempered scale. The values are relative to the keynote C.

Name	C	C#	D	D#	E	F	F#	G	G#	A	A#	B
Equal Tempered, Perfect Octave	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.00 0	0.000	0.000
Equal Tempered, Perfect Fourth	3.519	3.128	2.737	2.346	1.955	1.564	1.173	0.782	0.391	0.00 0	-0.391	-0.782
Equal Tempered, Perfect Fifth	- 2.514	-2.235	- 1.956	-1.677	-1.397	- 1.118	-0.838	- 0.559	-0.280	0.00 0	0.279	0.558
Equal Tempered, Stretched (1.0 Cent)	- 0.750	-0.667	- 0.583	-0.500	-0.417	- 0.333	-0.250	- 0.167	-0.083	0.00 0	0.083	0.167
Equal Tempered, Stretched (1.25 Cent)	- 0.938	-0.834	- 0.730	-0.625	-0.521	- 0.417	-0.313	- 0.209	-0.105	0.00 0	0.104	0.208
Equal Tempered, Stretched (1.5 Cent)	- 1.125	-1.000	- 0.875	-0.750	-0.625	- 0.500	-0.375	- 0.250	-0.125	0.00 0	0.125	0.250
Just Tempered (Schugk)	15.64 1	- 13.686	19.55 1	31.282	1.955	13.68 6	5.864	17.59 6	29.327	0.00 0	33.237	3.910
Just Tempered (Barbour)	15.64 1	- 13.686	19.55 1	31.282	1.955	13.68 6	5.864	17.59 6	- 11.732	0.00 0	33.237	3.910
Naturally harmonious (Thirds)	15.64 1	27.372	19.55 1	31.282	1.955	13.68 6	5.864	17.59 6	29.327	0.00 0	11.731	3.910
Naturally harmonious	15.64 1	27.372	19.55 1	31.282	1.956	13.68 6	5.864	17.59 6	29.327	0.00 0	33.237	3.910
Pythagorean	- 5.865	7.820	- 1.955	- 11.730	1.955	- 7.820	5.865	- 3.910	9.775	0.00 0	-9.775	3.910
Pythagorean (Perfect)	15.64 0	7.820	19.55 0	11.730	1.955	13.68 5	5.865	17.59 5	9.775	0.00 0	11.730	3.910

Pythagorean (Fifth chain Cb - E)	- 5.865	- 15.640	- 1.955	- 11.730	1.955	- 7.820	- 17.595	- 3.910	- 13.685	0.00 0	-9.775	- 19.550
Pythagorean (Fifth chain Db - F#)	- 5.865	- 15.640	- 1.955	- 11.730	1.955	- 7.820	5.865	- 3.910	- 13.685	0.00 0	-9.775	3.910
Pythagorean (Fifth chain Ebb - G)	17.59 5	7.820	- 1.955	11.730	1.955	15.64 0	5.865	19.55 0	9.775	0.00 0	13.685	3.910
Pythagorean (Fifth chain Fb - A)	- 5.865	- 15.640	- 1.955	- 11.730	- 21.505	- 7.820	- 17.595	- 3.910	- 13.685	0.00 0	-9.775	- 19.550
Pythagorean (Fifth chain F - A#)	- 5.865	7.820	- 1.955	11.730	1.955	- 7.820	5.865	- 3.910	9.775	0.00 0	13.685	3.910
Pythagorean (Fifth chain Gb - B)	- 5.865	- 15.640	- 1.955	- 11.730	1.955	- 7.820	- 17.595	- 3.910	- 13.685	0.00 0	-9.775	3.910
Pythagorean (Fifth chain Ab - C#)	- 5.865	7.820	- 1.955	- 11.730	1.955	- 7.820	5.865	- 3.910	- 13.685	0.00 0	-9.775	3.910
Pythagorean (Fifth chain Bb - D#)	- 5.865	7.820	- 1.955	11.730	1.955	- 7.820	5.865	- 3.910	9.775	0.00 0	-9.775	3.910
Meantone	8.798	-9.775	2.933	15.640	-2.932	11.73 1	-7.819	5.865	- 10.752	0.00 0	13.686	-5.864
Meantone # (-1/4)	10.26 5	- 13.686	3.422	- 20.529	-3.421	13.68 6	- 10.265	6.843	- 17.108	0.00 0	- 23.951	-6.843
Meantone b (-1/4)	10.26 5	27.373	3.422	20.530	-3.421	13.68 6	30.794	6.843	23.951	0.00 0	17.108	-6.843
Meantone (-1/4) (LargeThird)	10.26 5	- 13.686	3.422	20.530	-3.421	13.68 6	- 10.265	6.843	- 17.108	0.00 0	17.108	-6.843
Meantone (Small third)	15.64 2	- 20.856	5.214	31.284	-5.214	20.85 6	- 15.642	10.42 8	- 26.070	0.00 0	26.070	- 10.428
Meantone (Homogeneous)	7.038	-9.384	2.346	14.076	-2.346	9.384	-7.038	4.692	- 11.730	0.00 0	11.730	-4.692

Meantone (Homogeneous third)	12.57 0	- 16.760	4.190	25.140	-4.190	16.76 0	- 12.570	8.380	- 20.950	0.00 0	20.950	-8.380
Meantone (Homogeneous gradated)	4.887	-6.516	1.629	9.775	-1.629	6.516	-4.889	3.258	-8.145	0.00 0	8.145	-3.258
Comma - Temperament (1/7)	3.351	-4.468	1.117	6.702	-1.117	4.468	-3.351	2.234	-5.585	0.00 0	5.585	-2.234
Comma - Temperament (1/8)	2.199	-2.932	0.733	4.398	-0.733	2.932	-2.199	1.466	-3.665	0.00 0	3.665	-1.466
Comma - Temperament (1/9)	1.305	-1.740	0.435	2.610	-0.435	1.740	-1.305	0.870	-2.175	0.00 0	2.175	-0.870
Comma - Temperament (2/9)	8.472	- 11.296	2.824	16.944	-2.824	11.29 6	-8.472	5.648	- 14.120	0.00 0	14.120	-5.648
Comma - Temperament (1/10)	0.588	-0.784	0.196	1.176	-0.196	0.784	-0.588	0.392	-0.980	0.00 0	0.980	-0.392
Comma - Temperament (3/11)	11.73 0	- 15.640	3.910	23.460	-3.910	15.64 0	- 11.730	7.820	- 19.550	0.00 0	19.550	-7.820
Pythagorei comma (3-Split)	9.775	0.000	- 1.955	3.910	1.955	7.820	-1.955	3.910	1.955	0.00 0	5.865	3.910
Pythagorei comma (4-Split)	5.865	1.955	- 1.955	0.000	1.955	3.910	0.000	1.955	3.910	0.00 0	1.955	-1.955
Pythagorei comma (5-Split)	8.211	-1.564	2.737	2.346	-2.737	6.256	-3.519	5.474	0.391	0.00 0	4.301	-5.474
Pythagorei comma (6-Split)	5.865	-3.910	1.955	0.000	-1.955	3.910	-5.865	3.910	-1.955	0.00 0	1.955	-3.910
Pythagorei comma (6 & 12-Split)	5.865	-3.910	1.955	7.820	-1.955	7.820	-3.910	3.910	-3.910	0.00 0	7.820	-3.910
Syntonic comma (2-Split)	15.64 1	- 13.686	8.798	31.282	1.955	13.68 6	-4.888	17.59 6	- 11.731	0.00 0	22.484	3.910

Syntonic comma (4-Split)	10.26 4	-3.910	3.421	4.399	-3.422	8.309	- 10.265	6.842	2.444	0.00 0	6.354	-6.844
Syntonic comma (5-Split)	7.038	1.173	2.346	3.519	-2.346	5.865	0.000	4.692	2.346	0.00 0	4.692	-1.173
Diatonic (Chromatic addition)	15.63 1	- 13.696	19.54 1	31.272	1.945	13.67 6	5.855	17.58 6	- 11.741	0.00 0	11.721	3.900
Organ of Freiberg (Silbermann-Orgel, 1985)	3.910	-5.865	0.000	1.955	-1.955	3.910	-5.865	1.955	-5.865	0.00 0	3.910	-3.910
Organ of Fribourg (Manderscheidt-Orgel, 1640)	7.820	-0.978	2.933	14.662	-4.887	8.798	-2.933	5.865	- 10.752	0.00 0	12.708	-4.887
Organ of Hamburg (Schnitger-Orgel, 1993)	7.038	-5.083	2.346	3.128	-2.346	9.384	-7.038	4.692	-3.128	0.00 0	7.429	-4.692
Organ of Maihingen (Baumeister-Orgel, 1737)	3.910	- 10.752	2.933	9.775	-8.797	4.888	- 12.707	5.865	- 14.662	0.00 0	-1.955	-9.775
Organ of Muri (Evangelien-Orgel)	8.798	- 10.752	3.911	14.663	-2.932	10.75 3	-8.797	7.821	- 11.730	0.00 0	9.775	-5.864
Organ of Niederbobritzsch (Göthel-Orgel)	0.000	-1.955	2.444	-1.955	-0.978	3.421	0.489	- 0.977	-1.955	0.00 0	1.466	-5.865
Organ of Weingarten (Gabler-Orgel, 1750)	6.399	-8.532	2.133	12.798	-2.133	8.532	-6.399	4.266	- 10.665	0.00 0	10.665	-4.266
Organ of Weingarten (Gabler-Orgel, 1983)	4.888	0.000	0.978	6.354	-0.977	3.910	-3.910	2.933	2.933	0.00 0	6.354	-3.909
Agricola (Martin, 1539, 1543, 1545)	- 5.865	- 13.686	- 1.955	-9.776	1.955	- 7.820	- 15.641	- 3.910	- 11.731	0.00 0	-9.775	3.910
Ammerbach (1571)	5.865	-7.820	3.910	8.798	-1.955	3.910	-3.910	7.820	-9.775	0.00 0	4.888	-1.955
Ammerbach (1583, Interpretation 1)	6.135	-4.180	4.045	6.270	1.955	4.180	-0.135	8.090	-2.225	0.00 0	8.225	3.910

Bruder (1829)	2.933	-1.955	5.866	0.000	-5.865	1.955	-3.422	4.399	-0.977	0.00 0	0.978	-4.887
Ganassi (1543)	15.64 1	4.442	- 1.955	-3.001	1.955	13.68 6	12.641	17.59 6	6.397	0.00 0	-1.046	3.910
Goebel (1967)	- 0.169	0.109	0.208	0.128	0.118	- 0.140	0.026	0.020	-0.019	0.00 0	-0.051	-0.117
Grammateus (1518)	- 5.865	-3.910	- 1.955	0.000	1.955	- 7.820	-5.865	- 3.910	-1.955	0.00 0	-9.775	3.910
Kelletat (1960)	7.820	-1.955	3.910	1.955	-4.887	5.865	-3.910	7.820	0.000	0.00 0	3.910	-5.865
Kelletat (1966)	7.820	-1.955	3.910	1.955	-3.910	5.865	-3.910	7.820	0.000	0.00 0	3.910	-5.865
Kellner	8.211	-1.564	2.737	2.346	-2.737	6.256	-3.519	5.474	0.391	0.00 0	4.301	-0.782
Kircher	15.64 0	- 13.685	19.55 0	-9.775	1.955	13.68 5	5.865	17.59 5	- 11.730	0.00 0	-7.820	3.910
Kirnberger I (1766)	15.64 0	5.865	19.55 0	9.775	1.955	13.68 5	5.865	17.59 5	7.820	0.00 0	11.730	3.910
Kirnberger II (1771)	4.888	-4.887	8.798	-0.977	-8.798	2.933	-4.888	6.843	-2.932	0.00 0	0.978	-6.843
Kirnberger II (1776)	5.865	-3.910	9.775	0.000	-9.775	3.910	-5.865	7.820	-1.955	0.00 0	1.955	-7.820
Kirnberger III (1779)	10.26 4	0.489	3.421	4.399	-3.422	8.309	0.488	6.842	2.444	0.00 0	6.354	-1.467
Lambert (1774)	4.190	-2.234	1.397	1.676	-1.396	5.586	-4.189	2.793	-0.279	0.00 0	3.631	-2.793
Lublin (1540)	1.090	- 13.686	- 1.955	2.180	1.955	6.090	5.865	3.045	- 11.731	0.00 0	4.135	3.910

Malcolm (Alexander, 1721)	15.64 1	20.596	19.55 1	13.154	1.955	13.68 6	18.641	17.59 6	11.199	0.00 0	4.955	3.910
Marpurg I	15.64 0	5.865	19.55 0	9.775	1.955	13.68 5	5.865	17.59 5	7.820	0.00 0	11.730	3.910
Marpurg II	- 5.865	3.910	- 1.955	7.820	1.955	- 7.820	1.955	- 3.910	5.865	0.00 0	9.775	0.000
Marpurg III	- 5.865	-9.775	- 1.955	-5.865	1.955	- 7.820	- 11.730	- 3.910	-7.820	0.00 0	-9.775	- 13.685
Marpurg IV	- 5.865	-7.820	- 1.955	- 11.730	1.955	- 7.820	-9.775	- 3.910	-5.865	0.00 0	-9.775	- 11.730
Marpurg V	- 5.865	-1.955	- 1.955	1.955	1.955	- 7.820	-3.910	- 3.910	0.000	0.00 0	3.910	-5.865
Marpurg VI	- 5.865	-3.910	- 1.955	0.000	1.955	- 7.820	-5.865	- 3.910	-1.955	0.00 0	1.955	3.910
Marpurg VII	1.955	0.000	- 1.955	-3.910	1.955	0.000	-1.955	- 3.910	1.955	0.00 0	-1.955	-3.910
Marpurg VIII	0.000	1.955	- 1.955	0.000	1.955	- 1.955	0.000	- 3.910	-1.955	0.00 0	1.955	-1.955
Marpurg IX	- 5.865	-3.910	- 1.955	0.000	1.955	- 1.955	0.000	- 3.910	-1.955	0.00 0	1.955	3.910
Marpurg X	1.955	0.000	1.955	0.000	1.955	0.000	1.955	0.000	1.955	0.00 0	1.955	0.000
Marpurg XI	- 5.865	0.000	- 1.955	-3.910	1.955	- 7.820	1.955	- 3.910	-1.955	0.00 0	-5.865	3.910
Marpurg XII	- 7.820	3.910	- 1.955	- 11.730	-1.955	- 7.820	1.955	- 3.910	5.865	0.00 0	-9.775	0.000
Meister	4.888	16.618	3.422	20.528	-3.421	2.933	14.663	6.843	18.573	0.00 0	0.978	-6.842

Mersenne (Fractions)	15.64 0	- 13.685	19.55 0	31.280	1.955	13.68 5	- 15.640	17.59 5	29.325	0.00 0	11.730	3.910
Mersenne (Marin, 1636)	5.131	1.710	- 1.711	-5.132	-8.553	- 6.843	-5.132	- 3.422	-1.711	0.00 0	1.710	3.421
Neidhardt (1724, Grosse Stadt)	5.865	1.955	1.955	3.910	0.000	3.910	1.955	1.955	1.955	0.00 0	3.910	1.955
Neidhardt (1732, Dorf)	5.865	0.000	3.910	1.955	-3.910	3.910	-1.955	5.865	0.000	0.00 0	3.910	-1.955
Neidthardt I	5.865	0.000	1.955	1.955	-1.955	3.910	-1.955	3.910	1.955	0.00 0	1.955	-1.955
Neidthardt II	5.865	1.955	1.955	3.910	0.000	5.865	1.955	3.910	1.955	0.00 0	5.865	1.955
Neidthardt III	5.865	1.955	1.955	3.910	0.000	3.910	1.955	3.910	1.955	0.00 0	3.910	1.955
Rameau	11.73 0	-3.910	3.910	0.000	-3.910	15.64 0	-5.865	7.820	-1.955	0.00 0	7.820	-7.820
Rameau (-1/4)	10.26 5	-2.933	3.422	-4.561	-3.421	13.68 6	-4.888	6.843	-0.978	0.00 0	4.562	-6.843
Ramis de Pareia (1482)	15.64 1	7.820	- 1.955	9.776	1.955	13.68 6	5.865	17.59 6	7.821	0.00 0	11.731	3.910
Reinhard (Andreas, 1604)	15.64 1	14.596	19.55 1	8.352	1.955	13.68 6	12.641	17.59 6	6.397	0.00 0	-1.046	3.910
Rossi (-1/5)	7.039	-9.385	2.346	14.078	-2.346	9.385	-7.039	4.693	- 11.731	0.00 0	11.731	-4.693
Rossi (-2/9)	8.473	- 11.296	2.824	16.945	-2.824	11.29 7	-8.472	5.648	- 14.121	0.00 0	14.121	-5.648
Salinas (-1/3)	15.64 2	- 20.854	5.214	31.283	-5.213	20.85 6	- 15.641	10.42 8	- 26.068	0.00 0	26.069	- 10.427

Schlick (Barbour)	5.865	-3.910	1.955	7.820	-1.955	7.820	-3.910	3.910	1.955	0.00 0	7.820	-3.910
Schlick (Dupont)	10.26 6	- 13.688	3.422	20.532	-3.422	13.68 8	- 10.266	6.844	3.422	0.00 0	17.110	-6.844
Schlick (Lange)	6.231	-8.308	2.077	12.462	-2.077	8.308	-6.231	4.154	6.475	0.00 0	10.385	-4.154
Schlick (Ratte)	5.865	-5.865	1.955	9.775	-1.955	7.820	-3.910	3.910	5.865	0.00 0	7.820	-3.910
Schlick (Schugk)	8.211	- 10.948	2.737	16.422	-2.737	10.94 8	-8.211	5.474	19.159	0.00 0	13.685	-5.474
Schlick (Tessmer)	7.331	-4.888	2.444	9.775	-2.444	9.775	-4.888	4.887	5.865	0.00 0	9.775	-4.888
Schlick (Vogel)	8.211	-6.256	2.737	2.346	-2.737	10.94 8	-8.211	5.474	-4.301	0.00 0	8.993	-5.474
Schneegass I (1590)	10.34 0	- 13.786	3.447	20.680	-3.446	13.78 7	- 10.340	6.893	- 17.233	0.00 0	17.233	-6.893
Schneegass II (1590)	10.34 1	- 10.655	3.447	20.682	-0.314	13.78 8	-7.208	6.894	- 14.102	0.00 0	17.235	-3.761
Schneegass III (1590)	10.19 8	-9.020	4.270	18.306	-1.449	11.10 5	-8.576	6.158	- 14.463	0.00 0	15.656	-4.319
Silbermann (-1/6)	4.889	-6.517	1.630	9.777	-1.629	6.518	-4.888	3.259	-8.146	0.00 0	8.147	-3.258
Silbermann (1/6)	5.865	-7.820	1.955	11.730	-1.955	7.820	-5.865	3.910	-9.775	0.00 0	9.775	-3.910
Sorge	5.865	1.955	1.955	3.910	0.000	3.910	1.955	3.910	3.910	0.00 0	3.910	1.955
Stanhope (1801)	9.775	0.000	5.865	3.910	-5.865	7.820	-1.955	11.73 0	1.955	0.00 0	5.865	-3.910

Trost (Johann Caspar, 1677)	- 3.421	-6.842	3.422	-6.842	-3.421	0.000	-3.421	- 6.842	- 10.263	0.00 0	3.421	- 13.685
Valotti (1754)	5.865	0.000	1.955	3.910	-1.955	7.820	-1.955	3.910	1.955	0.00 0	5.865	-3.910
Van Zwolle	- 5.865	- 15.640	- 1.955	- 11.730	1.955	- 7.820	- 17.595	- 3.910	- 13.685	0.00 0	-9.775	3.910
Veroli (Ordinaire)	10.26 6	-8.799	3.422	-1.464	-3.422	8.311	-8.799	6.844	-6.844	0.00 0	4.401	-6.844
Werckmeister I	11.73 0	1.955	3.910	5.865	1.955	9.775	0.000	7.820	3.910	0.00 0	7.820	3.910
Werckmeister II	9.775	-7.820	5.865	3.910	1.955	7.820	-1.955	3.910	-5.865	0.00 0	13.685	-3.910
Werckmeister III	0.000	-3.910	3.910	0.000	-3.910	3.910	0.000	1.955	-7.820	0.00 0	1.955	-1.955
Werckmeister IV	7.539	-2.236	- 5.307	5.026	1.955	5.584	2.513	6.090	-0.281	0.00 0	6.981	3.910
Wiegleb	5.865	-1.955	1.955	1.955	0.000	5.865	-3.910	3.910	0.000	0.00 0	3.910	-1.955
Wiegleb (1790)	8.798	0.000	2.933	3.911	0.000	7.820	-1.955	5.865	1.956	0.00 0	5.865	-0.977
Young I	5.865	0.000	1.955	3.910	-1.955	5.865	-1.955	3.910	1.955	0.00 0	5.865	-1.955
Young II	5.865	-3.910	1.955	0.000	-1.955	3.910	-5.865	3.910	-1.955	0.00 0	1.955	-3.910
Zarlino (-2/7)	12.56 9	- 16.759	4.190	25.138	-4.190	16.75 8	- 12.569	8.379	- 20.949	0.00 0	20.948	-8.380