

Chart of Transposition Ratios

Transposition Ratios Down/Up for 24 Semitones

| Semitones Down | Transposition Ratio | Semitones Up | Transposition Ratio | Name of Interval |
|----------------|---------------------|--------------|---------------------|--|
| -1 | 0.94387431 | 1 | 1.05946309 | Semitone [(-)m2] |
| -2 | 0.89089872 | 2 | 1.12246205 | Whole Tone [(-)2] |
| -3 | 0.84089642 | 3 | 1.18920712 | Minor Third [(-)m3] |
| -4 | 0.79380053 | 4 | 1.25992105 | Major Third [(-)3] |
| -5 | 0.74915354 | 5 | 1.33483985 | Perfect Fourth [(-)4] |
| -6 | 0.70710678 | 6 | 1.41421356 | Tritone [(-)#4] |
| -7 | 0.66741993 | 7 | 1.49830708 | Perfect Fifth [5] |
| -8 | 0.629996052 | 8 | 1.58740105 | Minor Sixth [(-)m6] |
| -9 | 0.59460356 | 9 | 1.68179283 | Major Sixth [(-)6] |
| -10 | 0.56123102 | 10 | 1.78179744 | Minor Seventh [(-)m7] |
| -11 | 0.52973155 | 11 | 1.88774863 | Major Seventh [(-)7] |
| -12 | 0.50000000 | 12 | 2.0 | Octave [(-)8] |
| -13 | 0.47193716 | 13 | 2.11892619 | Minor Ninth [(-)m9] |
| -14 | 0.44544936 | 14 | 2.24492410 | Ninth [(-)9] |
| -15 | 0.42044821 | 15 | 2.37841423 | Minor Tenth [(-)m10] |
| -16 | 0.39685026 | 16 | 2.51984210 | Tenth [(-)10] |
| -17 | 0.37457677 | 17 | 2.66968971 | Eleventh [(-)11] |
| -18 | 0.35355339 | 18 | 2.82842712 | Octave + Tritone [(-)#11] |
| -19 | 0.33370996 | 19 | 2.99661415 (3.0) | Twelfth [(-)12] |
| -20 | 0.31498026 | 20 | 3.17480210 | Minor Thirteenth [(-)m13] |
| -21 | 0.29730178 | 21 | 3.36358566 | Thirteenth [(-)13] |
| -22 | 0.28061551 | 22 | 3.56359487 | Minor Fourteenth [(-)m14] |
| -23 | 0.26486577 | 23 | 3.77549725 | Fourteenth [(-)14] |
| -24 | 0.25 | 24 | 4.0 | Fifteenth (2 Octaves) [(-)15] |



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