

The Periodic Table of Musical Scales

2500			3310							4120				4201	5011
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- The Six Universal Scales
- The Three Groups of Four Scales
- The Six Groups of Three Scales
- The Ten Groups of Two Scales
- The Ten Symmetrical Single Scales
- The Six Asymmetrical Single Scales

2500
8 iii 1 2 2 2 1 2 2 2↓1:6↓5 15

Interval Number Groups
Melakarta Number
Roman Numeral
Intervals
Melodic Motion
Consonance Number

The Periodic Table of Musical Scales describes the structure of each scale, as well as the relationships between the scales. The **Interval Number Groups** are the "periods" of the table. The first digit is the number of single intervals, the second digit is the number of double intervals, the third digit is the number of triple intervals, and the fourth digit is the number of quadruple intervals. The **Melakarta Number** denotes one of the 72 *Melakartas* (the South Indian system of scales). The **Roman Numeral** indicates

the mode of the Western system including the sharp and flat alterations. The **Intervals** are simply the number of half steps from one note to the next. The **Melodic Motion** indicates the tendency of resolution from one note to another note. The **Consonance Number** is a measure of the relative smoothness of the harmonic structure imposed by the structure of the scale—a measure of the harmoniousness of the scale when considered as a chord; the value ranges from 0 for the most harsh to 25 for the most mellow. The

mirror symmetrical scales are **6, 11, 15, 22, 26,** and **31**; the glide symmetrical scales are **1, 8, 29,** and **36**.
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