Interval Comparison Chart

An *interval* is the distance between two notes. Intervals are named for their relationship to the major scale.

*Scale degrees* are the notes of a scale expressed in numeric values. Scale degree 1 (the tonic) is the first note of the scale, scale degree 2 is the second, and so on.

### The Major Scale, Scale Degrees, and Common Intervals

![Interval Comparison Chart Diagram]

#### Interval terms and definitions

**Major**: Applies only to the 2\(^{nd}\), 3\(^{rd}\), 6\(^{th}\), and 7\(^{th}\). Major intervals are the distance from the tonic to the same scale degree of the major scale, so a major 3\(^{rd}\) spans from the tonic to scale degree 3.

**Minor**: Applies only to the 2\(^{nd}\), 3\(^{rd}\), 6\(^{th}\), and 7\(^{th}\). Minor intervals are a half step smaller than their major counterparts, so a minor 3\(^{rd}\) is a half step smaller than a major 3\(^{rd}\).

**Perfect**: Applies only to the 4\(^{th}\), 5\(^{th}\), and octave. Perfect intervals are the distance from the tonic to the same scale degree of the major scale, so a perfect 5\(^{th}\) spans from the tonic to scale degree 5.

**Augmented**: Any interval can be augmented, but is most commonly seen in 4\(^{ths}\) and 5\(^{ths}\). An augmented interval is a half step larger than its major or perfect counterpart.

**Diminished**: Any interval can be diminished, but is most commonly seen in 5\(^{ths}\) and 7\(^{ths}\). A diminished interval is a half step smaller than its minor or perfect counterpart, so a diminished 5\(^{th}\) is a half step smaller than a perfect 5\(^{th}\) and a diminished 7\(^{th}\) is a half step smaller than a minor 7\(^{th}\).
Intervals - Major and Perfect

Major 2\textsuperscript{nd}  
\begin{center}
\includegraphics[width=0.2\textwidth]{major2nd.png}
\end{center}

Major 3\textsuperscript{rd}  
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Perfect 4\textsuperscript{th}  
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Perfect 5\textsuperscript{th}  
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Major 6\textsuperscript{th}  
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Major 7\textsuperscript{th}  
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Perfect Octave  
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Intervals are shown on the staff and the guitar fretboard with C as the bass note

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Intervals: Minor, Augmented, and Diminished

Intervals are shown on the staff and the guitar fretboard with C as the bass note.