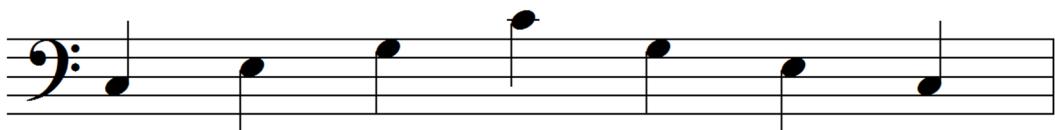




# Arpeggio Reference Manual

## For Bass Guitar

A quick guide to chord tones  
for the practicing bassist



by Mark J Smith

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*TalkingBass.net*

# Arpeggio Reference Manual for Bass Guitar

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## Introduction

Welcome to the *Talkingbass.net Arpeggio Reference Manual*. This short ebook is offered free to all [www.talkingbass.net](http://www.talkingbass.net) members and also serves as a taster for the complete *Study Book Of Chord Tones*, available through TalkingBass Media at the [www.talkingbass.net](http://www.talkingbass.net) store.

The arpeggio patterns are presented in a systemized way that facilitates quick and easy navigation. All scales are displayed in standard notation, tablature and as fretboard diagrams.

A recommended fingering of the fretting hand is provided between the standard notation and tablature and red circles are used on the neck diagrams to indicate the Tonic.

The shapes used for each scale are limited to the most common one octave patterns. For a more exhaustive list of scale shapes please consult the *Study Book Of Chord Tones*.

In this book I won't be delving into the basic principles of chord construction. This book is intended as a manual for quick reference and basic practice. The *Study Book Of Chord Tones* provides much more detailed information and exercises on chord construction along with a full section devoted to practice and improvisation concepts.

## About The Author

Mark J Smith is a professional bass player from the UK and creator of [www.talkingbass.net](http://www.talkingbass.net). During the past 20 years Mark has worked all over the UK and the World as a sideman and bandleader, performing every style of music from pop to rock to jazz to classical in ensembles ranging from trio to orchestra. As a reading sideman, Mark has worked with hundreds of acts such as Jimmy James, Susan Maughn, Peter Grant, Bucks Fizz, Ruthie Henshall, Zoe Tyler, Gerard Kenny, Iris Williams, Elaine Delmar, Barbara Dickson and many, many more.

Mark has a First Class BA(hons) Degree in Music from Leeds College Of Music and many years of experience teaching in music colleges and universities around the UK.

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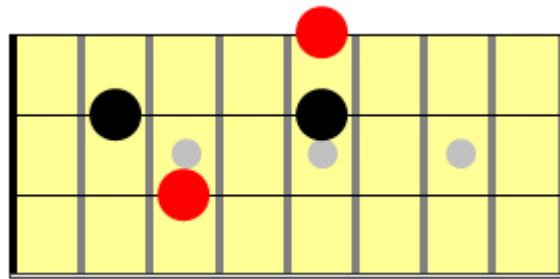
## 1 - Triads

### Major Triad

Intervallic Construction: 1 3 5

Chord Symbols (on C): C, Cmaj, CΔ

A bass staff diagram showing a major triad. The notes are: 2 (A), 1 (G), 4 (C), 4 (C), 4 (C), 1 (G), 2 (A). The bass clef is at the top left. Below the staff, the notes are labeled with their corresponding fingerings: 2, 1, 4, 4, 4, 1, 2. The strings are labeled below the bass staff: 3, 2, 5, 5, 2, 3.

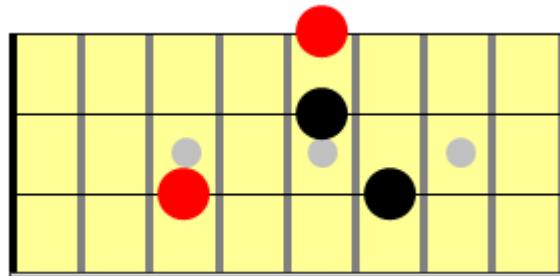


### Minor Triad

Intervallic Construction: 1 b3 5

Chord Symbols (on C): Cm, Cmin, C-

A bass staff diagram showing a minor triad. The notes are: 1 (G), 4 (C), 3 (E), 4 (C), 3 (E), 4 (C), 1 (G). The bass clef is at the top left. Below the staff, the notes are labeled with their corresponding fingerings: 1, 4, 3, 4, 3, 4, 1. The strings are labeled below the bass staff: 3, 6, 5, 5, 6, 3.

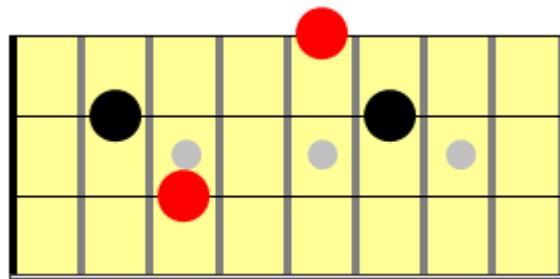


## Augmented Triad

Intervallic Construction: 1 3 #5

Chord Symbols (on C): Caug, C+

A musical staff and a corresponding bass tablature are shown. The staff has a bass clef and a key signature of one sharp (F#). The tab shows six strings with fingerings below them: 2, 1, 4, 3, 4, 1, 2. The tab also includes string numbers above the strings: 3, 2, 6, 5, 6, 2, 3.

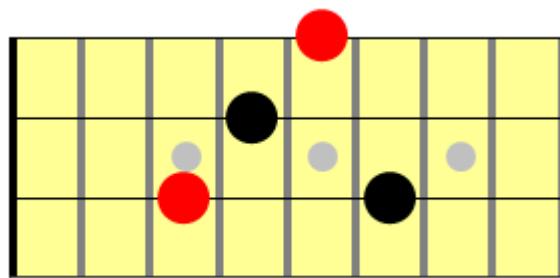


## Diminished Triad

Intervallic Construction: 1 b3 b5

Chord Symbols (on C): Cdim, Co

A musical staff and a corresponding bass tablature are shown. The staff has a bass clef and a key signature of one flat (B-flat). The tab shows six strings with fingerings below them: 1, 4, 2, 3, 2, 4, 1. The tab also includes string numbers above the strings: 3, 6, 4, 5, 4, 6, 3.

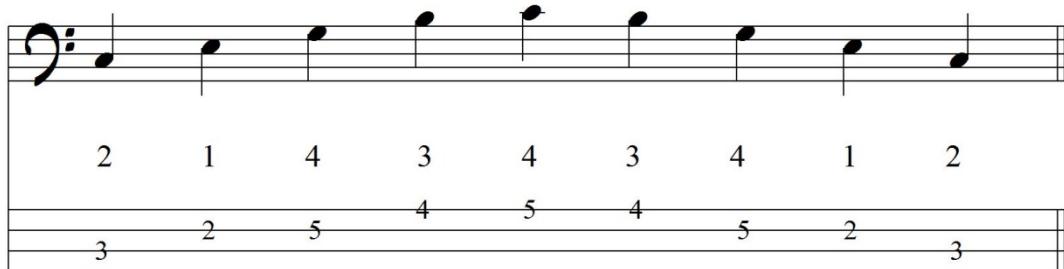


## 2 - Seventh Chords

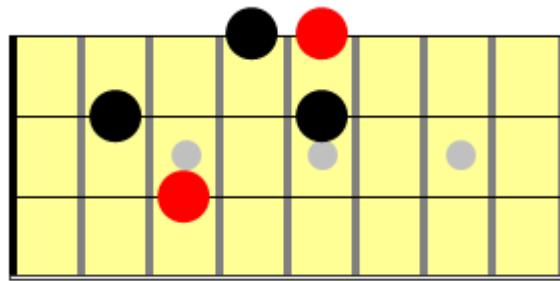
### Major 7

Intervallic Construction: 1 3 5 7

Chord Symbols (on C): Cmaj7, CΔ7



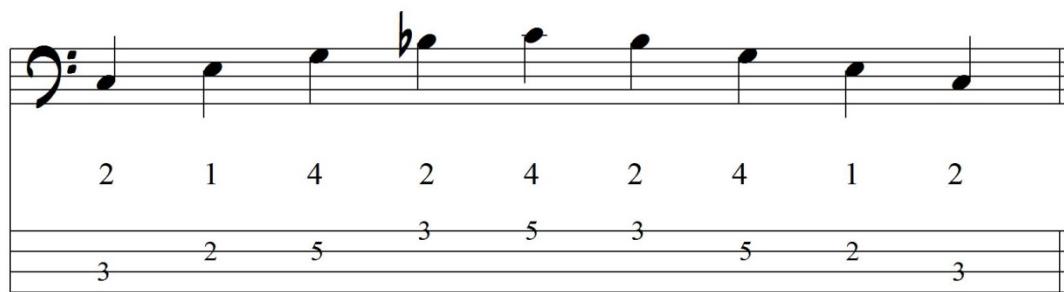
A bass staff diagram showing a Major 7 arpeggio. The staff has four ledger lines above the fourth line. The notes are: 2 (below the staff), 1 (on the first line), 4 (below the staff), 3 (on the second line), 4 (below the staff), 3 (on the second line), 4 (below the staff), 1 (on the first line), 2 (below the staff). Below the staff, the fingerings are: 2, 1, 4, 3, 4, 3, 4, 1, 2.



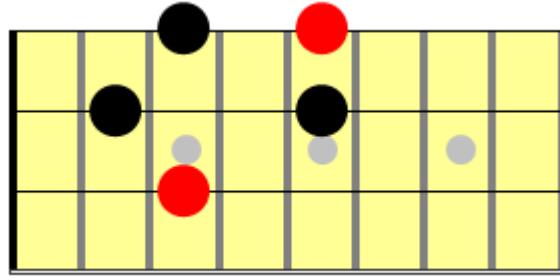
### Dominant 7

Intervallic Construction: 1 3 5 b7

Chord Symbols (on C): C7



A bass staff diagram showing a Dominant 7 arpeggio. The staff has four ledger lines above the fourth line. The notes are: 2 (below the staff), 1 (on the first line), 4 (below the staff), 2 (below the staff), 4 (below the staff), 2 (below the staff), 4 (below the staff), 1 (on the first line), 2 (below the staff). Below the staff, the fingerings are: 2, 1, 4, 2, 4, 2, 4, 1, 2.

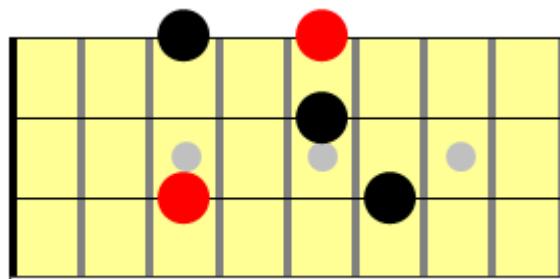


## Minor 7

Intervallic Construction: 1 b3 5 b7

Chord Symbols (on C): Cm7, C-7

The musical staff shows a bass clef, a key signature of one flat (B-flat), and a common time signature. The fingerboard diagram below it shows a 6-string bass guitar neck with the strings numbered 1 through 6 from left to right. Fingerings are indicated above the strings: 1, 4, 3, 1, 3, 1, 3, 4, 1. Below the strings, the fret positions are marked: 3, 6, 5, 3, 5, 3, 5, 6, 3.

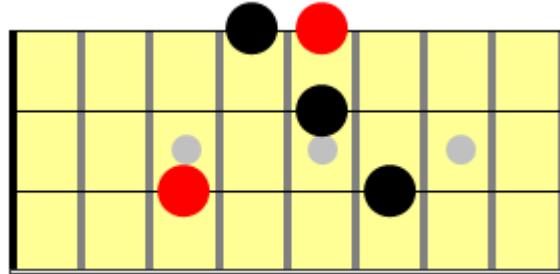


## Minor(Major 7)

Intervallic Construction: 1 b3 5 7

Chord Symbols (on C): Cm(maj7), Cm( $\Delta$ 7)

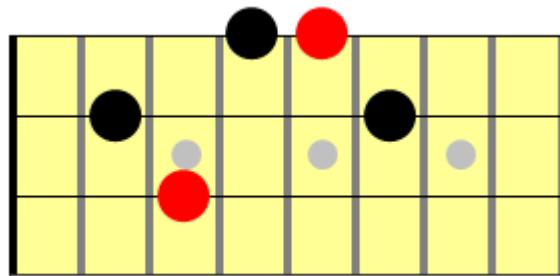
The musical staff shows a bass clef, a key signature of one flat (B-flat), and a common time signature. The fingerboard diagram below it shows a 6-string bass guitar neck with the strings numbered 1 through 6 from left to right. Fingerings are indicated above the strings: 1, 4, 3, 2, 3, 2, 3, 4, 1. Below the strings, the fret positions are marked: 3, 6, 5, 4, 5, 4, 5, 6, 3.



**Major7#5**

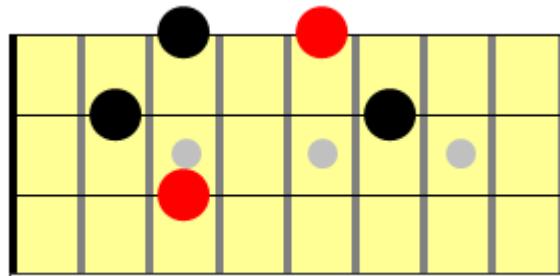
Intervallic Construction: 1 3 #5 7  
 Chord Symbols (on C): Cmaj7#5, CΔ7+5

The top part shows a musical staff with a bass clef and a key signature of one sharp (F#). Below the staff is a fingerboard diagram with six strings. Fret numbers are indicated below each string: 2, 1, 4, 2, 3, 2; 4, 5, 4, 6, 2, 3. The bottom part is a fingerboard diagram with vertical fret lines and horizontal string lines. Frets are numbered 1 through 6 from left to right. Black dots represent notes at frets 1, 3, 5, and 7. Red dots represent notes at frets 2 and 6.

**Dominant 7#5**

Intervallic Construction: 1 3 #5 b7  
 Chord Symbols (on C): C7#5, Caug7, C+7, C7+5

The top part shows a musical staff with a bass clef and a key signature of one sharp (F#). Below the staff is a fingerboard diagram with six strings. Fret numbers are indicated below each string: 2, 1, 4, 1, 3, 1; 3, 5, 3, 6, 2, 3. The bottom part is a fingerboard diagram with vertical fret lines and horizontal string lines. Frets are numbered 1 through 6 from left to right. Black dots represent notes at frets 1, 3, 5, and 7. Red dots represent notes at frets 2 and 6.



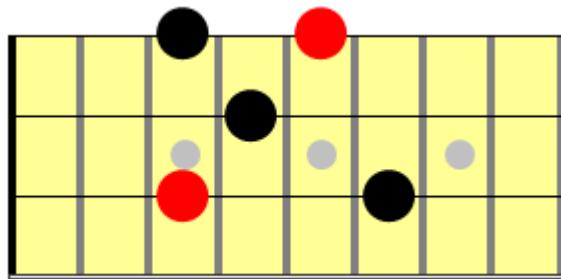
**Minor7b5**

Intervallic Construction: 1 b3 b5 b7

Chord Symbols (on C): Cm7b5, CØ

Bass staff with note heads and corresponding fingerings below:

1	4	2	1	3	1	2	4	1
3	6	4	3	5	3	4	6	3

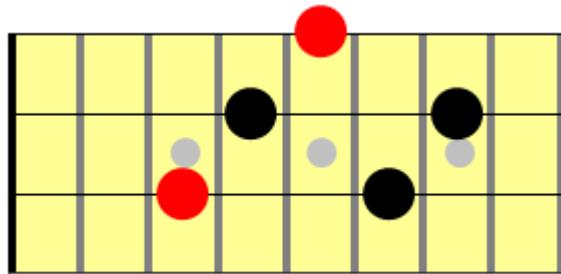
**Diminished 7th**

Intervallic Construction: 1 b3 b5 bb7

Chord Symbols (on C): Cdim7, Co7

Bass staff with note heads and corresponding fingerings below:

1	4	1	4	1	4	1	4	1
3	6	4	7	5	7	4	6	3



## 3 - Extended Chords

These arpeggios are limited to the more common Major7, Minor 7 and Dominant 7 chord qualities simply to save on space and time. Once we delve into extensions and altered extensions, we open up the number of possibilities open to us by a huge amount but the chord construction principles are the same through all the different chord qualities.

Two arpeggio fingerings are provided for each chord type. The first fingering is the fully extended pattern working through the stacked thirds beyond the octave (compound intervals). This larger shape demonstrates the way we create chords.

The second fingering drops the extensions down an octave so all notes of the chord can be viewed within a single octave. This demonstrates how the extensions can be viewed in any register. A major 9<sup>th</sup> interval is simply a major 2<sup>nd</sup> interval but an octave higher. Chords can be voiced in any number of ways and aren't limited to a strict layout.

Each arpeggio includes a complete set of extensions as we move up through the 9<sup>th</sup>, 11<sup>th</sup> and 13<sup>th</sup>. So the 11<sup>th</sup> also contains the 9<sup>th</sup> and the 13<sup>th</sup> includes the 9<sup>th</sup> and the 11<sup>th</sup>. This is the basis for the system of creating extensions by the stacking of thirds (tertian harmony).

However, when we create chord voicings, the extensions below the top note are optional. For example, a C13 chord can be written with the notes: C, E, G, Bb, D, F, A as a fully extended chord. But we may also remove the 9<sup>th</sup> and the 11<sup>th</sup> to give us C, E, G, Bb, A. So we simply add the appropriate extension to the basic seventh chord.

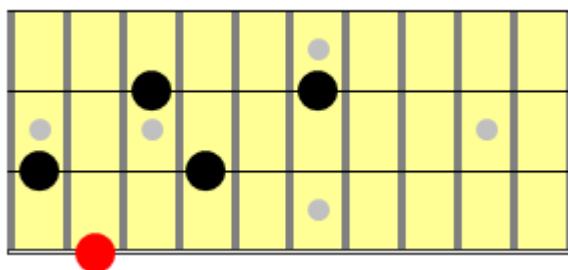
To accommodate the larger range of the arpeggios, these patterns are shown from the root note of C at the 8<sup>th</sup> fret of the E string. This provides 4 strings to move across and allows us to move into the higher register without the need for large position shifts.

## Major 9 (Fully Extended)

Intervallic Construction: 1 2 3 5 7 9

Chord Symbols (on C): Cmaj9, CΔ9

Musical notation for Major 9 (Fully Extended) arpeggio on bass guitar. The notation shows a sequence of notes on a bass staff with corresponding fingerings below it. The fingerings are: 2, 1, 4, 1, 4, 1, 4, 1, 2. Below the staff, the strings are numbered 8, 7, 10, 9, 12, 9, 10, 7, 8.

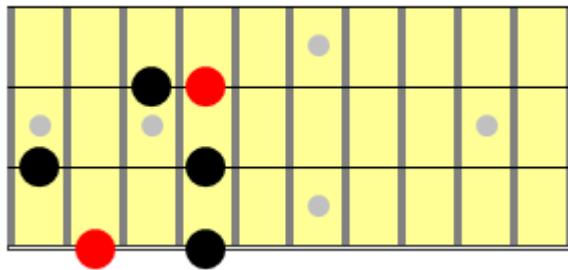


## Major 9 (within one octave)

Intervallic Construction: 1 9 2 3 5 7

Chord Symbols (on C): Cmaj9, CΔ9

Musical notation for Major 9 (within one octave) arpeggio on bass guitar. The notation shows a sequence of notes on a bass staff with corresponding fingerings below it. The fingerings are: 2, 4, 1, 4, 3, 4, 3, 4, 1, 4, 2. Below the staff, the strings are numbered 8, 10, 7, 10, 9, 10, 9, 10, 7, 10, 8.

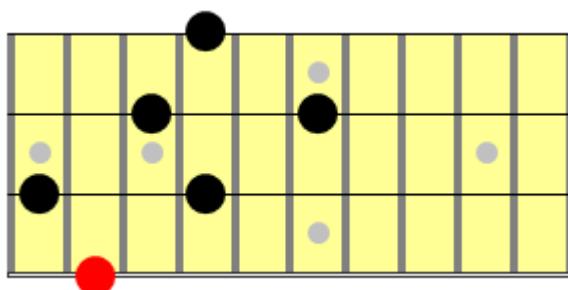


## Major 11 (Fully extended)

Intervallic Construction: 1 3 5 7 9 11

Chord Symbols (on C): Cmaj11, CΔ11

Musical staff showing a bass line with note heads and stems. Below the staff are fingerings: 2, 1, 4, 1, 4, 2, 4, 1, 4, 1, 2. The notes correspond to the following fret positions: 8, 7, 10, 9, 12, 10, 12, 9, 10, 7, 8.

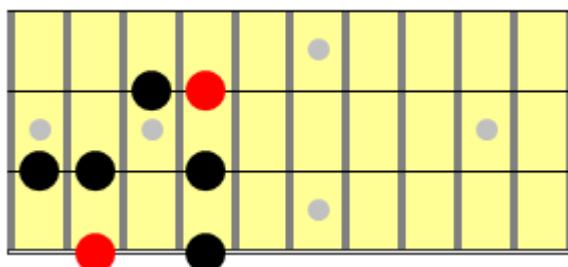


## Major 11 (within one octave)

Intervallic Construction: 1 9 3 11 5 7

Chord Symbols (on C): Cmaj11, CΔ11

Musical staff showing a bass line with note heads and stems. Below the staff are fingerings: 2, 4, 1, 2, 4, 3, 4, 3, 4, 2, 1, 4, 2. The notes correspond to the following fret positions: 8, 10, 7, 8, 10, 9, 10, 9, 10, 8, 7, 10, 8.



## Major 13 (Fully extended)

Intervallic Construction: 1 3 5 7 9 11 13

Chord Symbols (on C): Cmaj13, CΔ13

The image shows musical notation and a fretboard diagram for a fully extended major 13 chord.

**Musical Notation:**

Bass clef, four measures of music. The notes are: 2, 1, 4, 1, 4, 1, 4, 1, 4, 1, 4, 1, 2.

Fretboard diagram (Bass Fretboard):

The diagram shows a bass guitar neck with 12 frets. The strings are numbered 1 (thinnest) to 4 (thickest). The notes are marked with dots: 8, 7, 10, 9, 12, 10, 14, 10, 12, 9, 10, 7, 8. A red dot highlights the 10th fret on the 3rd string.

## Major 13 (within one octave)

Intervallic Construction: 1 9 3 11 5 13 7

Chord Symbols (on C): Cmaj13, CΔ13

The image shows musical notation and a fretboard diagram for a major 13 chord within one octave.

**Musical Notation:**

Bass clef, four measures of music. The notes are: 2, 4, 1, 2, 4, 1, 3, 4, 3, 1, 4, 2, 1, 4, 2.

Fretboard diagram (Bass Fretboard):

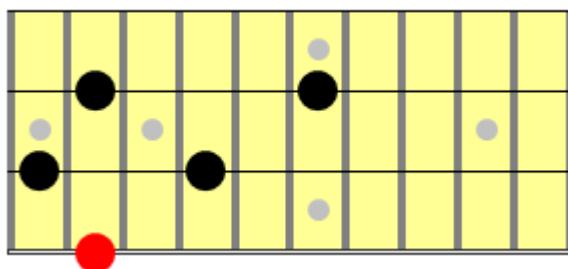
The diagram shows a bass guitar neck with 12 frets. The strings are numbered 1 (thinnest) to 4 (thickest). The notes are marked with dots: 8, 10, 7, 8, 10, 7, 9, 10, 9, 7, 10, 8, 7, 10, 8. A red dot highlights the 10th fret on the 3rd string.

## Dominant 9 (Fully Extended)

Intervallic Construction: 1 3 5 b7 9

Chord Symbols (on C): Cmaj9, CΔ9

Musical notation for Dominant 9 (Fully Extended) arpeggio on bass guitar. The notation shows a bass clef, a key signature of one sharp (F#), and a common time signature. The arpeggio consists of eight notes: 2, 1, 4, 1, 4, 1, 4, 1, 2. Below the staff are corresponding fingerings: 2, 1, 4, 1, 4, 1, 4, 1, 2. The bass strings are labeled with their note names: 8, 7, 10, 8, 12, 8, 10, 7, 8.

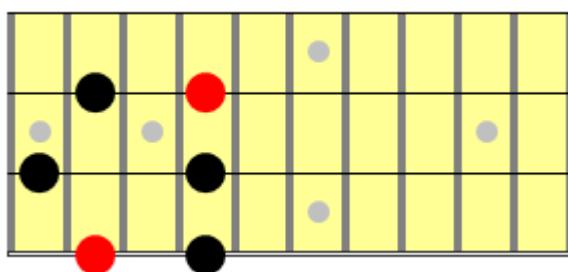


## Dominant 9 (within one octave)

Intervallic Construction: 1 9 3 5 b7

Chord Symbols (on C): Cmaj9, CΔ9

Musical notation for Dominant 9 (within one octave) arpeggio on bass guitar. The notation shows a bass clef, a key signature of one sharp (F#), and a common time signature. The arpeggio consists of twelve notes: 2, 4, 1, 4, 2, 4, 2, 4, 1, 4, 2. Below the staff are corresponding fingerings: 2, 4, 1, 4, 2, 4, 2, 4, 1, 4, 2. The bass strings are labeled with their note names: 8, 10, 7, 10, 8, 10, 8, 10, 7, 10, 8.

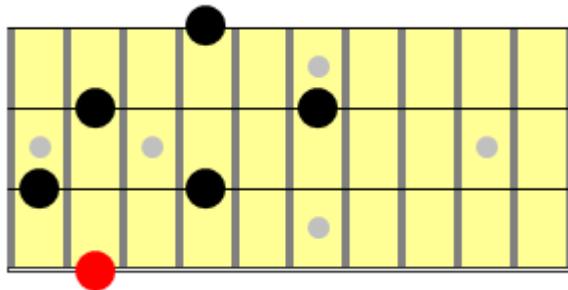


## Dominant 11 (Fully extended)

Intervallic Construction: 1 3 5 b7 9 11

Chord Symbols (on C): Cmaj11, CΔ11

Musical notation for Dominant 11 (Fully extended) arpeggio on bass guitar. The notation shows a bass clef, a key signature of one sharp (F#), and a common time signature. The arpeggio consists of eleven notes: 2, 1, 4, 1, 4, 2, 4, 1, 4, 1, 2. Below the notation are two sets of fingerings: 2, 1, 4, 1, 4, 2, 4, 1, 4, 1, 2 above the strings, and 8, 7, 10, 8, 12, 10, 12, 8, 10, 7, 8 below the strings.

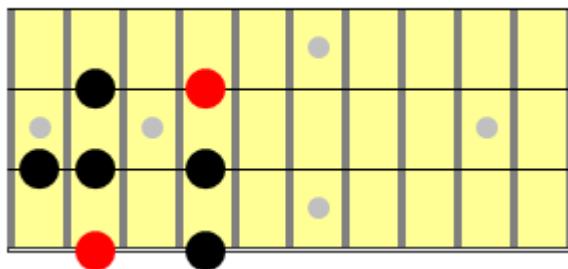


## Dominant 11 (within one octave)

Intervallic Construction: 1 9 3 11 5 b7

Chord Symbols (on C): Cmaj11, CΔ11

Musical notation for Dominant 11 (within one octave) arpeggio on bass guitar. The notation shows a bass clef, a key signature of one sharp (F#), and a common time signature. The arpeggio consists of eleven notes: 2, 4, 1, 2, 4, 2, 4, 2, 4, 2, 1. Below the notation are two sets of fingerings: 2, 4, 1, 2, 4, 2, 4, 2, 4, 2, 1 above the strings, and 8, 10, 7, 8, 10, 8, 10, 8, 7, 10, 8 below the strings.



## Dominant 13 (Fully extended)

Intervallic Construction: 1 3 5 b7 9 11 13

Chord Symbols (on C): Cmaj13, CΔ13

The image shows musical notation and a fretboard diagram for the Dominant 13 (Fully extended) arpeggio.

**Musical Notation:**

- Top staff: Bass clef, four measures of a bass line.
- Below the staff: Fret numbers (2, 1, 4, 1, 4, 1, 4, 1, 4, 1, 4, 1, 2) corresponding to the notes on the staff.
- Below the fret numbers: String numbers (8, 7, 10, 8, 12, 10, 14, 10, 12, 8, 10, 7, 8) corresponding to the frets on the fretboard.

**Fretboard Diagram:**

- A six-string bass guitar neck diagram.
- Strings are numbered 1 to 6 from bottom to top.
- Frets are numbered 1 to 13 from left to right.
- Black dots represent the notes of the arpeggio: (8, 7, 10, 8, 12, 10, 14, 10, 12, 8, 10, 7, 8).
- A red dot highlights the note at the 7th fret on the 4th string.
- The fretboard is divided into 12 intervals by vertical gray lines.

---

## Dominant 13 (within one octave)

Intervallic Construction: 1 9 3 11 5 13 b7

Chord Symbols (on C): Cmaj13, CΔ13

The image shows musical notation and a fretboard diagram for the Dominant 13 (within one octave) arpeggio.

**Musical Notation:**

- Top staff: Bass clef, four measures of a bass line.
- Below the staff: Fret numbers (2, 4, 1, 2, 4, 1, 2, 4, 2, 1, 4, 2, 1, 4, 2) corresponding to the notes on the staff.
- Below the fret numbers: String numbers (8, 10, 7, 8, 10, 7, 8, 10, 8, 7, 10, 8, 7, 10, 8) corresponding to the frets on the fretboard.

**Fretboard Diagram:**

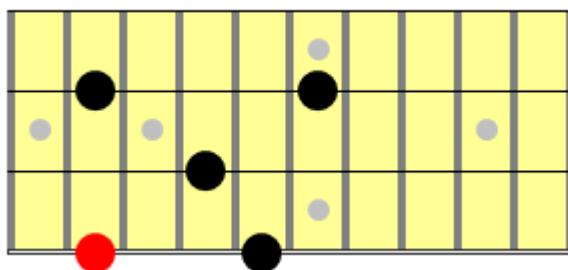
- A six-string bass guitar neck diagram.
- Strings are numbered 1 to 6 from bottom to top.
- Frets are numbered 1 to 13 from left to right.
- Black dots represent the notes of the arpeggio: (8, 10, 7, 8, 10, 7, 8, 10, 8, 7, 10, 8, 7, 10, 8).
- A red dot highlights the note at the 7th fret on the 4th string.
- The fretboard is divided into 12 intervals by vertical gray lines.

## Minor 9 (Fully Extended)

Intervallic Construction: 1 b3 5 b7 9

Chord Symbols (on C): Cmaj9, CΔ9

The musical staff shows a sequence of notes: A, B-flat, C, D, E, F, G, A. Below the staff is a fretboard diagram with fingerings: 1, 4, 3, 1, 4, 1, 3, 4, 1. The fretboard has note positions: 8, 11, 10, 8, 12, 8, 10, 11, 8.

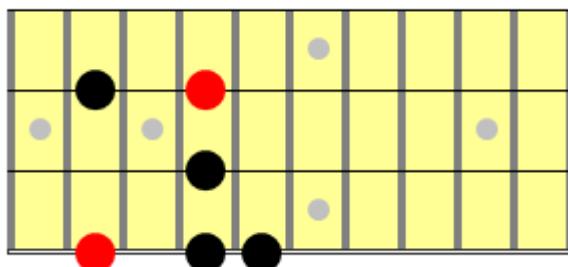


## Minor 9 (within one octave)

Intervallic Construction: 1 9 b3 5 b7

Chord Symbols (on C): Cmaj9, CΔ9

The musical staff shows a sequence of notes: A, B-flat, C, D, E, F, G, A. Below the staff is a fretboard diagram with fingerings: 1, 3, 4, 3, 1, 3, 1, 3, 4, 3, 1. The fretboard has note positions: 8, 10, 11, 10, 8, 10, 8, 10, 11, 10, 8.



## Minor 11 (Fully extended)

Intervallic Construction: 1 b3 5 b7 9 11

Chord Symbols (on C): Cmaj11, CΔ11

The image shows musical notation and a fretboard diagram for a Minor 11 chord.

**Musical Notation:**

Bass clef, four measures of music. The notes are: 1 (B), 4 (A), 3 (G), 1 (B), 4 (A), 2 (G), 4 (A), 1 (B), 3 (G), 4 (A), 1 (B).

Fretboard diagram:

The diagram shows a bass guitar neck with 12 frets. The strings are numbered 1 (thinnest) to 5 (thickest). Frets are numbered 8 to 11 below the neck. The notes are marked with dots: 1 (B) at 8, 3 (G) at 10, 4 (A) at 11, 1 (B) at 10, 4 (A) at 12, 2 (G) at 10, 4 (A) at 12, 1 (B) at 8, 3 (G) at 10, 4 (A) at 11, 1 (B) at 8. A red dot highlights the 1 (B) note at the 8th fret.

## Minor 11 (within one octave)

Intervallic Construction: 1 9 b3 11 5 b7

Chord Symbols (on C): Cmaj11, CΔ11

The image shows musical notation and a fretboard diagram for a Minor 11 chord, within one octave.

**Musical Notation:**

Bass clef, four measures of music. The notes are: 1 (B), 3 (G), 4 (A), 1 (B), 3 (G), 1 (B), 3 (G), 1 (B), 3 (G), 1 (B), 4 (A), 3 (G), 1 (B).

Fretboard diagram:

The diagram shows a bass guitar neck with 12 frets. The strings are numbered 1 (thinnest) to 5 (thickest). Frets are numbered 8 to 11 below the neck. The notes are marked with dots: 1 (B) at 8, 3 (G) at 10, 4 (A) at 11, 1 (B) at 8, 3 (G) at 10, 1 (B) at 8, 3 (G) at 10, 1 (B) at 8, 4 (A) at 10, 3 (G) at 11, 1 (B) at 8. A red dot highlights the 1 (B) note at the 8th fret.

## Minor 13 (Fully extended)

Intervallic Construction: 1 b3 5 b7 9 11 13

Chord Symbols (on C): Cmaj13, CΔ13

The image shows musical notation and a fretboard diagram for a Minor 13 chord.

**Musical Notation:**

Bass clef, 2 sharps (F# and C#), common time. The notes are: B (1), E (4), G (3), B (1), E (4), G (1), B (4), E (1), B (4), E (1), G (3), B (4), E (1).

Fretboard diagram:

The fretboard has 12 frets. Frets 8, 10, 11, and 8 are marked below the strings. The notes are: B (1), E (4), G (3), B (1), E (4), G (10), B (14), E (10), B (12), E (8), G (10), B (11), E (8).

**Fretboard Diagram Labels:**

- Black dots: 1, 4, 3, 1, 4, 1, 4, 1, 4, 1, 3, 4, 1.
- Light blue dots: 8, 10, 11, 8.
- Red dot: On the 11th fret of the 4th string.

## Minor 13 (within one octave)

Intervallic Construction: 1 9 b3 11 5 13 b7

Chord Symbols (on C): Cmaj13, CΔ13

The image shows musical notation and a fretboard diagram for a Minor 13 chord within one octave.

**Musical Notation:**

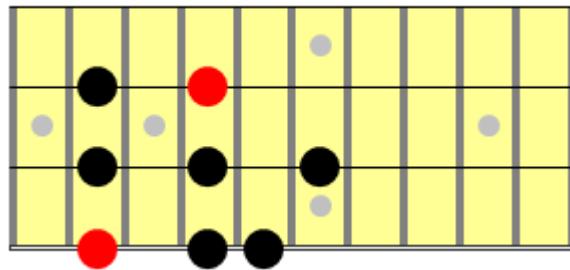
Bass clef, 2 sharps (F# and C#), common time. The notes are: B (1), E (3), G (4), B (1), E (2), G (4), B (1), E (3), G (1), B (4), E (2), B (1), E (4), G (3), B (1).

Fretboard diagram:

The fretboard has 12 frets. Frets 8, 10, 11, 8, 12, 8, 10, 8, 12, 10, 8, 11, 10, 8 are marked below the strings. The notes are: B (1), E (3), G (4), B (1), E (2), G (12), B (8), E (10), B (8), G (12), E (10), B (8), G (11), E (10), B (8).

**Fretboard Diagram Labels:**

- Black dots: 1, 3, 4, 1, 2, 4, 1, 3, 1, 4, 2, 1, 4, 3, 1.
- Light blue dots: 8, 10, 11, 8, 12, 8, 10, 8, 12, 10, 8, 11, 10, 8.
- Red dots: On the 11th fret of the 4th string and the 1st fret of the 3rd string.



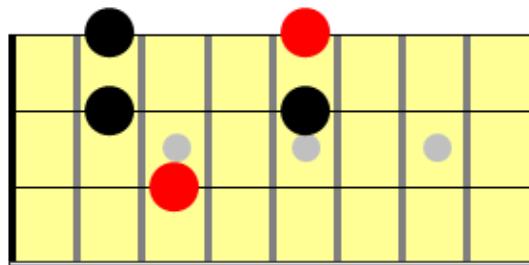
## 4 - Added Note Chords

**6**

Intervallic Construction: 1 3 5 6

Chord Symbols (on C): C6, Cadd6

A musical staff for bass guitar with a bass clef. The notes are: B (2), A (1), D (4), A (1), D (4), A (1), D (4), A (1), D (2). Below the staff are corresponding fingerings: 2, 1, 4, 1, 4, 1, 4, 1, 2.

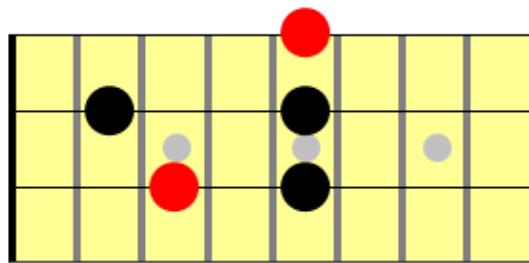


**add9**

Intervallic Construction: 1 2 3 5

Chord Symbols (on C): Cadd9

A musical staff for bass guitar with a bass clef. The notes are: B (2), A (4), D (1), D (4), G (4), G (4), A (1), D (4), A (2). Below the staff are corresponding fingerings: 2, 4, 1, 4, 4, 4, 1, 4, 2.



**6/9**

Intervallic Construction: 1 2 3 5 6

Chord Symbols (on C): C6/9

The musical notation shows a bass line on a bass clef staff with note heads and stems. Below the staff are two sets of numbers: 2, 4, 1, 4, 1, 4, 1, 4, 1, 4, 2 on the top line and 3, 5, 2, 5, 2, 5, 2, 5, 2, 5, 3 on the bottom line. A fretboard diagram below shows a six-string guitar neck with vertical fret markers. Fret 1 is black, fret 2 is grey, and fret 5 is red. The strings are numbered 1 through 6 from left to right. The red dot at fret 5 on string 1 indicates the 6th interval.

**Minor 6**

Intervallic Construction: 1 b3 5 6

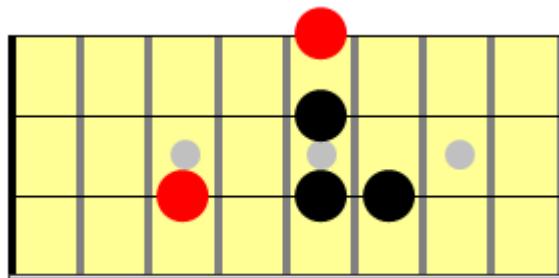
Chord Symbols (on C): Cm6, Cm(add6)

The musical notation shows a bass line on a bass clef staff with note heads and stems. Below the staff are two sets of numbers: 1, 4, 1, 4, 1, 4, 1, 4, 1, 1 on the top line and 3, 6, 5, 7, 5, 7, 5, 6, 3 on the bottom line. A fretboard diagram below shows a six-string guitar neck with vertical fret markers. Fret 1 is black, fret 2 is grey, and fret 5 is red. The strings are numbered 1 through 6 from left to right. The red dot at fret 5 on string 1 indicates the 6th interval.

## Minor add9

Intervallic Construction: 1 2 b3 5  
 Chord Symbols (on C): Cmadd9, Cm(add9)

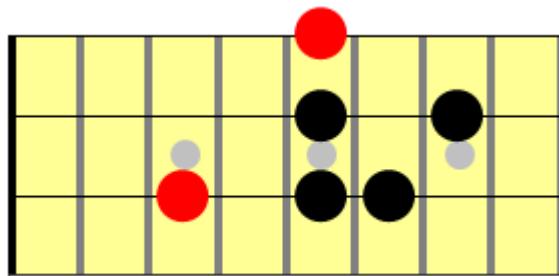
Bass staff notation showing a sequence of notes: C, E, G, B, D, F#, A, C, E, G, B, D, F#, A, C. Below the staff are fingerings: 1, 3, 4, 2, 3, 2, 4, 3, 1. The 5th string is labeled with a 5 under the 2nd note. The 3rd string is labeled with a 5 under the 5th note. The 1st string is labeled with a 3 under the 1st note.



## Minor 6/9

Intervallic Construction: 1 2 b3 5 6  
 Chord Symbols (on C): Cm6/9, Cm6(add9)

Bass staff notation showing a sequence of notes: C, E, G, B, D, F#, A, C, E, G, B, D, F#, A, C. Below the staff are fingerings: 1, 3, 4, 1, 4, 1, 4, 1, 4, 3, 1. The 5th string is labeled with a 5 under the 7th note. The 3rd string is labeled with a 5 under the 5th note. The 1st string is labeled with a 3 under the 1st note.



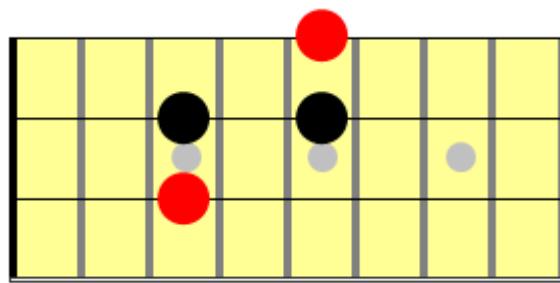
## 5 - Suspended Chords

### Sus4

Intervallic Construction: 1 4 5

Chord Symbols (on C): Csus4, Csus

A bass staff diagram showing a sequence of notes. The notes are positioned at the 1st, 1st, 4th, 4th, 4th, 1st, and 1st frets. Below the staff, the corresponding fingerings are indicated: 1, 1, 4, 4, 4, 1, 1. The bass staff has a C-clef and a common time signature.

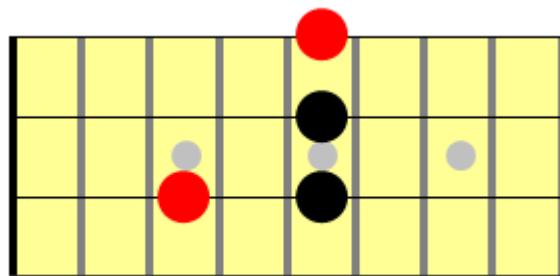


### Sus2

Intervallic Construction: 1 2 5

Chord Symbols (on C): Csus2, C2

A bass staff diagram showing a sequence of notes. The notes are positioned at the 1st, 3rd, 4th, 4th, 4th, 3rd, and 1st frets. Below the staff, the corresponding fingerings are indicated: 1, 3, 4, 4, 4, 3, 1. The bass staff has a C-clef and a common time signature.

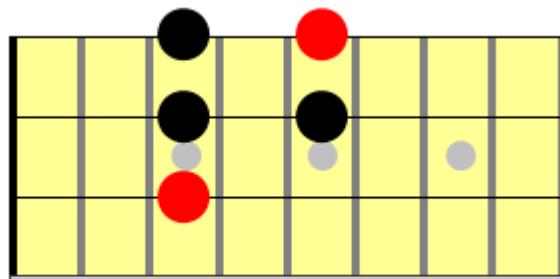


## Dominant 7sus4

Intervallic Construction: 1 4 5 b7

Chord Symbols (on C): C7sus4, C7sus

Bass staff notation showing a sequence of notes with corresponding fingerings below each note. The staff starts with a bass clef, followed by a key signature of one sharp (F#), and a common time signature. The notes are: 1, 1, 4, 1, 4, 1, 4, 1, 1. Below the staff, the fingerings are: 1, 1, 4, 1, 4, 1, 4, 1, 1. The bass strings are labeled with 3, 5, 3, 5, 3, 5, 3, 3 from bottom to top.

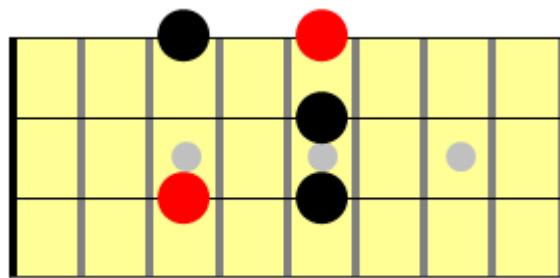


## Dominant 7sus2

Intervallic Construction: 1 2 5 b7

Chord Symbols (on C): C7sus2

Bass staff notation showing a sequence of notes with corresponding fingerings below each note. The staff starts with a bass clef, followed by a key signature of one sharp (F#), and a common time signature. The notes are: 1, 3, 4, 1, 4, 1, 4, 3, 1. Below the staff, the fingerings are: 1, 3, 4, 1, 4, 1, 4, 3, 1. The bass strings are labeled with 3, 5, 5, 3, 5, 3, 5, 5, 3 from bottom to top.

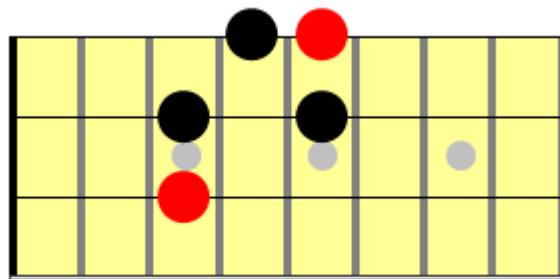


## Major 7sus4

Intervallic Construction: 1 4 5 7

Chord Symbols (on C): Cmaj7sus4, Cmaj7sus

A bass staff with ten note heads. Below the staff are two rows of numbers representing fingerings: the top row shows 1, 1, 4, 2, 4, 2, 4, 1, 1; the bottom row shows 3, 3, 5, 4, 5, 4, 5, 3, 3. This indicates a descending bass line with some sus4-like harmonic movement.

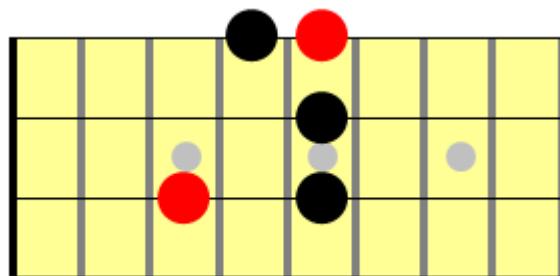


## Major 7sus2

Intervallic Construction: 1 2 5 7

Chord Symbols (on C): Cmaj7sus2

A bass staff with ten note heads. Below the staff are two rows of numbers representing fingerings: the top row shows 1, 3, 4, 2, 4, 2, 4, 3, 1; the bottom row shows 3, 5, 5, 4, 5, 4, 5, 3. This indicates a descending bass line with some sus2-like harmonic movement.



## 7 - Altered Extensions

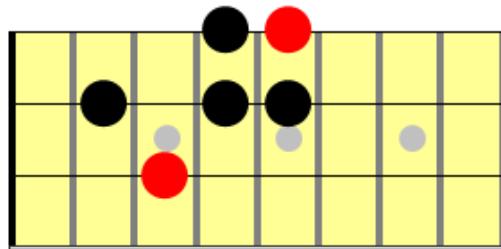
The following arpeggio patterns are just a few of the many different chords that may be created by adding altered extensions to a basic seventh chord. The most common extensions are listed and all extensions are played within a single octave ( $9^{\text{th}} = 2^{\text{nd}}$ ,  $11^{\text{th}} = 4^{\text{th}}$ ,  $13^{\text{th}} = 6^{\text{th}}$ ).

### Major7#11

Intervallic Construction: 1 3 #11 5 7

Chord Symbols (on C): Cmaj7#11, CΔ7#11, CΔ7+11

A musical staff and a corresponding bass tablature for the Major7#11 chord. The staff shows a bass line with note heads and stems. Below the staff is a tablature with six horizontal lines representing strings. Numerical values above the tab indicate fingerings: 2, 1, 3, 4, 3, 4, 3, 4, 3, 1, 2. Below the tab are the corresponding string numbers: 3, 2, 4, 5, 4, 5, 4, 5, 4, 2, 3.

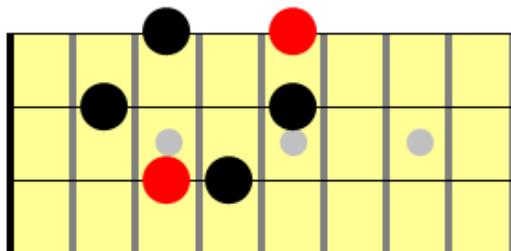


### Dominant 7b9

Intervallic Construction: 1 b9 3 5 b7

Chord Symbols (on C): C7b9, C7-9

A musical staff and a corresponding bass tablature for the Dominant 7b9 chord. The staff shows a bass line with note heads and stems. Below the staff is a tablature with six horizontal lines representing strings. Numerical values above the tab indicate fingerings: 2, 3, 1, 4, 2, 4, 2, 4, 1, 3, 2. Below the tab are the corresponding string numbers: 3, 4, 2, 5, 3, 5, 3, 5, 2, 4, 3.

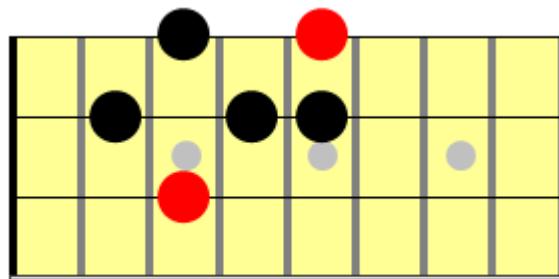


## Dominant 7#11

Intervallic Construction: 1 3 #11 5 b7

Chord Symbols (on C): C7#11, C7+11

The top part shows a musical staff with a bass clef and a key signature of one sharp (F#). Below the staff is a fingerboard diagram with six strings. Fingerings are indicated above the strings: 2, 1, 3, 4, 2, 4, 2, 4, 3, 1, 2. Below the strings are corresponding numbers: 2, 1, 3, 4, 5, 3, 5, 3, 5, 4, 2, 3.

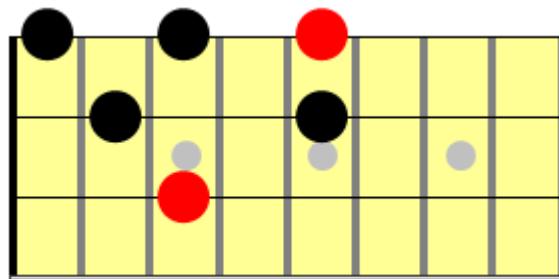


## Dominant 7b13

Intervallic Construction: 1 3 5 b13 b7

Chord Symbols (on C): C7b13, C7-13

The top part shows a musical staff with a bass clef and a key signature of one sharp (F#). Below the staff is a fingerboard diagram with six strings. Fingerings are indicated above the strings: 2, 1, 4, 1, 2, 4, 2, 1, 4, 1, 2. Below the strings are corresponding numbers: 2, 1, 5, 1, 3, 5, 3, 1, 5, 2, 3.

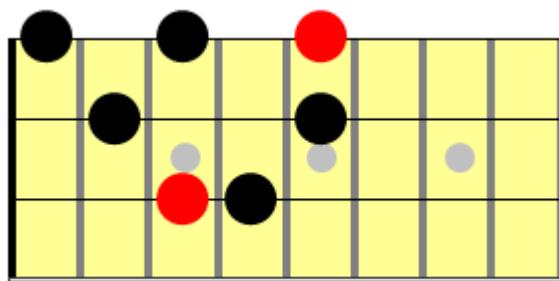


## Dominant 7b9b13

Intervallic Construction: 1 b9 3 5 b13 b7

Chord Symbols (on C): C7b9b13, C7- 9 -13

2 3 1 4 1 2 4 2 1 4 1 3 2  
3 4 2 5 1 3 5 3 1 5 2 4 3

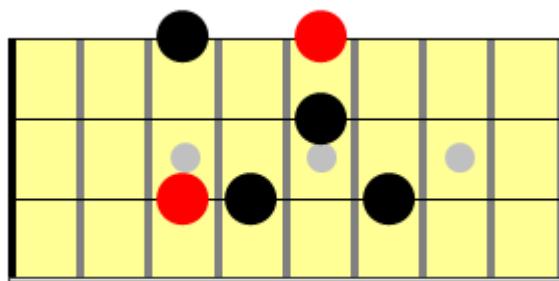


## Minor 7b9

Intervallic Construction: 1 b9 b3 5 b7

Chord Symbols (on C): Cm7b9, Cm7-9

1 2 4 3 1 3 1 3 4 2 1  
3 4 6 5 3 5 3 5 6 4 3

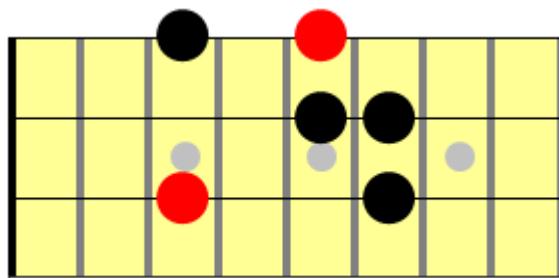


## Minor7 b13

Intervallic Construction: 1 b3 5 b13 b7

Chord Symbols (on C): Cm7b13, Cm7-13

The musical staff shows a bass line with notes on the 1st, 4th, 3rd, 4th, 1st, 3rd, 1st, 4th, 3rd, 4th, and 1st strings. Below the staff is a fingerboard diagram with six strings. Fret 1 is muted (x). Frets 2 through 6 are marked with numbers 1 through 6 respectively. The notes from the staff are mapped to the fingerboard: 1 (3), 4 (6), 3 (5), 4 (6), 1 (3), 3 (5), 1 (8), 4 (6), 3 (5), 4 (6), 1 (3).

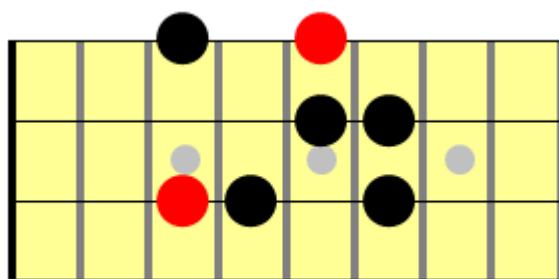


## Minor 7 b9 b13

Intervallic Construction: 1 b9 b3 5 b13 b7

Chord Symbols (on C): Cm7b9b13, Cm7-9-13

The musical staff shows a bass line with notes on the 1st, 2nd, 4th, 3rd, 4th, 1st, 3rd, 1st, 4th, 3rd, 4th, 2nd, and 1st strings. Below the staff is a fingerboard diagram with six strings. Fret 1 is muted (x). Frets 2 through 6 are marked with numbers 1 through 6 respectively. The notes from the staff are mapped to the fingerboard: 1 (3), 2 (4), 4 (6), 3 (5), 4 (6), 1 (3), 3 (5), 1 (8), 4 (6), 3 (5), 4 (6), 2 (4), 1 (3).

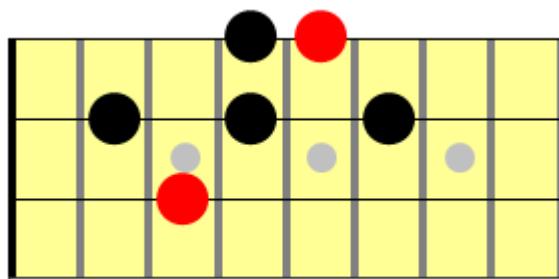


## Major 7#5#11

Intervallic Construction: 1 3 #11 #5 7

Chord Symbols (on C): Cmaj7#5#11, CΔ7#5#11, CΔ7+5+11

Musical staff showing the notes of the Major 7#5#11 arpeggio: B, A, D#, G, B, D#, G, B, A, D#, G, B. Below the staff are fingerings: 2, 1, 2, 4, 1, 2, 1, 4, 2, 1, 2. The bass strings are labeled 3, 2, 4, 6 from bottom to top. The treble strings are labeled 6, 5, 4 from bottom to top.

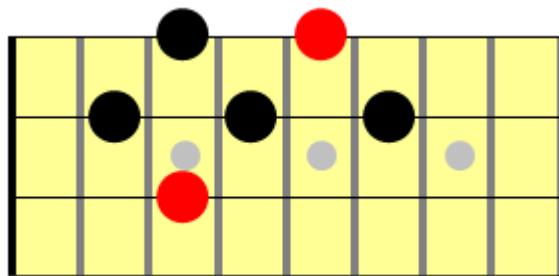


## Dominant 7#5#11

Intervallic Construction: 1 3 #11 #5 b7

Chord Symbols (on C): C7#5#11, C7+5+11, C+7#11

Musical staff showing the notes of the Dominant 7#5#11 arpeggio: B, A, D#, G, B, D, G, B, A, D, G, B. Below the staff are fingerings: 2, 1, 2, 4, 1, 3, 1, 4, 2, 1, 2. The bass strings are labeled 3, 2, 4, 6 from bottom to top. The treble strings are labeled 6, 5, 3 from bottom to top.

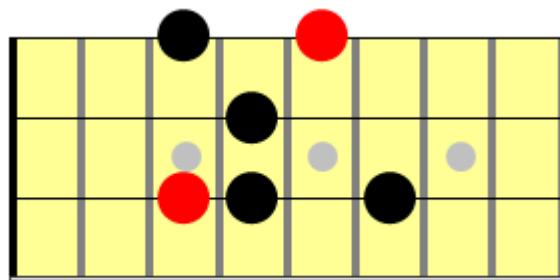


**Minor7b5b9**

Intervallic Construction: 1 b9 b3 b5 b7

Chord Symbols (on C): Cm7b5b9, C-7b5-9, CØb9, CØ-9

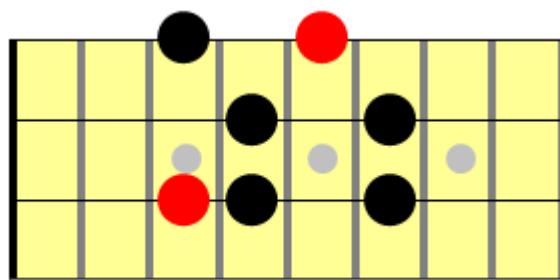
1 2 4 2 1 3 1 2 4 2 1  
3 4 6 4 3 5 3 4 6 4 3

**Minor7b5b13**

Intervallic Construction: 1 b9 b3 b5 b13 b7

Chord Symbols (on C): Cm7b5b9b13, C-7b5-9-13, CØb9b13 CØ-9-13

1 4 2 4 1 3 1 4 2 4 1  
3 6 4 6 3 5 3 6 4 6 3



## Diminished 7b9

Intervallic Construction: 1 b9 b3 b5 bb7

Chord Symbols (on C): Cdim7b9, Cdim7-9, Co7b9, Co7-9

A musical staff in bass clef with ten notes. Below the staff are two rows of numbers indicating fingerings: the top row shows 1, 2, 4, 1, 4, 1, 4, 1, 4, 2, 1; the bottom row shows 3, 4, 6, 4, 7, 5, 7, 4, 6, 4, 3. The staff ends with a double bar line.

