Em13 Guitar Chord Chart

E minor 13th · notes E G B D F♯ A C♯ · formula 1 ♭3 5 ♭7 (9) (11) 13 · 8 voicings

Interactive page: triads-guitar.com/chords/e-m13 · Build any chord: triads-guitar.com/chord-library-app

The formula



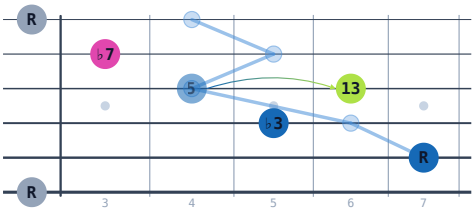
Character: 🌙 smoky

Triad note root, 3rd or 5th, played in its place **Substitute** an extension on a triad note's string
Added an extension on a string of its own **Anchored root** the root on the string below
Bass a slash chord's bass note **Doubling** the same note an octave away

8 ways to play Em13

C shape · Root position

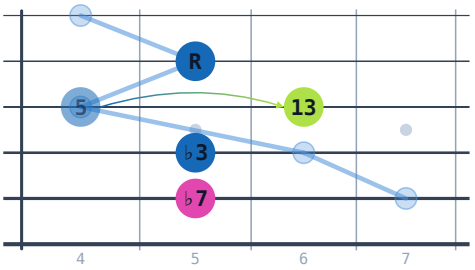
Em13



0 7 5 6 3 0
1 ♭3 13 ♭7 (E G C♯ D)
Base triad: E minor, root position The ♭7th gets a string of its own. The 13th takes the 5th's string.

C shape · 3rd inversion

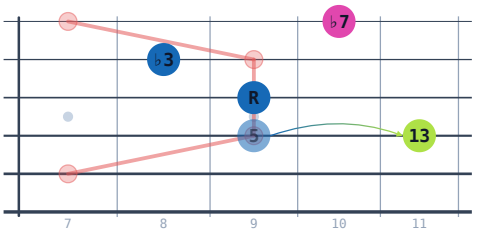
Em13/D



x 5 5 6 5 x
♭7 ♭3 13 1 (D G C♯ E)
Base triad: E minor, 1st inversion The ♭7th gets a string of its own. The 13th takes the 5th's string.

A shape · 2nd inversion

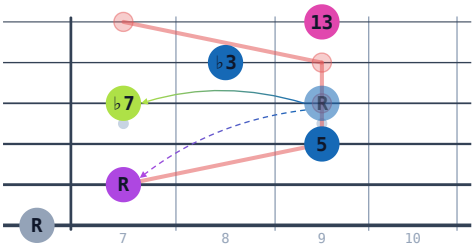
Em13/C♯



x x 11 9 8 10
13 1 ♭3 ♭7 (C♯ E G D)
Base triad: E minor, 2nd inversion The ♭7th gets a string of its own. The 13th takes the 5th's string.

A shape · 2nd inversion · Anchored

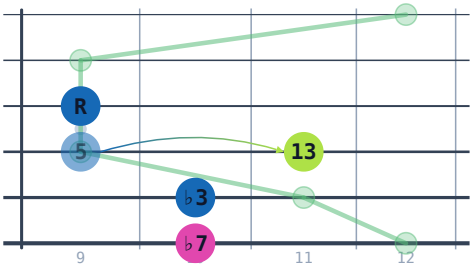
Em13



0 7 9 7 8 9
1 5 ♭7 ♭3 13 (E B D G C♯)
Base triad: E minor, 2nd inversion The root drops to the string below the triad. The ♭7th takes the root's string. The 13th gets a string of its own.

G shape · 3rd inversion

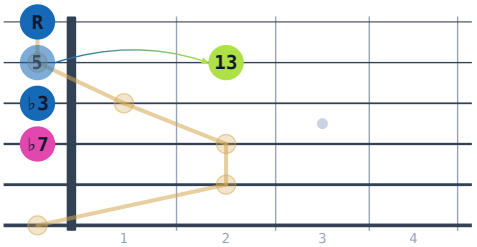
Em13/D



10 10 11 9 x x
♭7 ♭3 13 1 (D G C♯ E)
Base triad: E minor, 1st inversion The ♭7th gets a string of its own. The 13th takes the 5th's string.

E shape · 3rd inversion

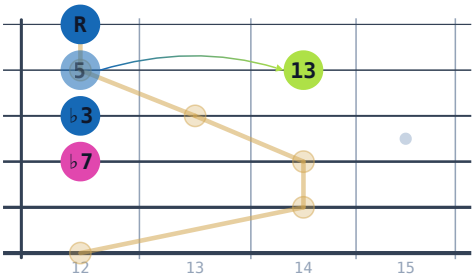
Em13/D



x x 0 0 2 0
♭7 ♭3 13 1 (D G C♯ E)
Base triad: E minor, 1st inversion The ♭7th gets a string of its own. The 13th takes the 5th's string.

E shape · 3rd inversion

Em13/D



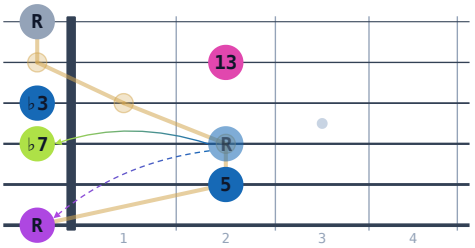
x x 12 12 14 12

♭7 ♭3 13 1 (D G C♯ E)

Base triad: E minor, 1st inversion The ♭7th gets a string of its own. The 13th takes the 5th's string.

E shape · 2nd inversion · Anchored

Em13



0 2 0 0 2 0

1 5 ♭7 ♭3 13 (E B D G C♯)

Base triad: E minor, 2nd inversion The root drops to the string below the triad. The ♭7th takes the root's string. The 13th gets a string of its own.

Construction rules

Start from a triad. Root, 3rd and 5th, stacked in thirds. The 3rd makes it major or minor; the 5th makes it diminished or augmented when it moves.

A third on top makes a 7th chord. A major 7th over a major triad is maj7, a ♭7 is a dominant 7. Over minor you get m7 or m(maj7); over diminished, m7♭5 or the °7, whose 7th is lowered twice.

Keep stacking for extensions. The 9th, 11th and 13th are the 2nd, 4th and 6th an octave up. Each one sits on the stack below it: a 9th chord holds a 7th, a 13th holds the 9th and 11th in theory.

On guitar, something has to give. Each extension takes the string of a triad note that matters less, usually the 5th, or gets a string of its own. The root and 3rd stay: they say what the chord is.

Drop what adds least. A guitar chord has four to six notes. When the formula holds more, the 5th and then the 9th go first: the root, 3rd, 7th and top extension still say exactly what the chord is.

The root can move down. When an extension needs the root's string, the root can drop to the string below the triad: an anchored voicing keeps the bass and frees a string on top.