

## Chords and Scales in Jazz

Chord	Extensions	Scale (x <sup>l</sup> = avoid note)	Scale Name(s)
Major seventh chord			
CΔ <sup>7</sup>		9 13 1 2 3 4 5 6 7	Major Ionian
CΔ <sup>7</sup>		9 #11 13 1 2 3 #4 5 6 7	Lydian
CΔ <sup>7</sup> (#5)		9 #11 13 1 2 3 #4 #5 6 7	Lydian Augmented 3rd mode of Melodic Minor
Dominant seventh chords			
C <sup>7</sup>		9 13 1 2 3 4 5 6 b7	Mixolydian
C <sup>7</sup>		9 #11 13 1 2 3 #4 5 6 b7	Lydian Dominant 4th mode of Melodic Minor
C <sup>7</sup>		b9 #9 #11 13 1 b2 #2 3 #4 5 6 b7	Half-Whole Diminished
C <sup>7</sup>		9 b13 1 b2 3 4 5 b6 b7	Spanish Phrygian 5th mode of Harmonic Minor
C <sup>7</sup> (#5)		9 #11 1 2 3 #4 #5 b7	Whole-Tone
C <sup>7</sup> (#5)		b9 #9 #11 1 b2 #2 3 #4 #5 b7	Altered Diminished Whole-Tone 7th Mode of Melodic Minor

**Chord Extensions**

**Scale (x<sup>l</sup> = avoid note)**

**Scale Name(s)**

Minor seventh chords

Cm<sup>7</sup>

Musical notation for Cm<sup>7</sup> chord and Dorian scale. The chord is shown in a C minor key signature with notes C, E<sup>b</sup>, G, and B<sup>b</sup>. The Dorian scale is shown in a C minor key signature with notes C, D, E<sup>b</sup>, F, G, A, B<sup>b</sup>. The scale is labeled "Dorian".

9 11 13 1 2 3 4 5 6 b7

Cm<sup>7</sup>

Musical notation for Cm<sup>7</sup> chord and Aeolian scale. The chord is shown in a C minor key signature with notes C, E<sup>b</sup>, G, and B<sup>b</sup>. The Aeolian scale is shown in a C minor key signature with notes C, D, E<sup>b</sup>, F, G, A<sup>b</sup>, B<sup>b</sup>. The scale is labeled "Aeolian".

9 11 1 2 3 4 5 b6 b7

Cm<sup>7</sup>

Musical notation for Cm<sup>7</sup> chord and Phrygian scale. The chord is shown in a C minor key signature with notes C, E<sup>b</sup>, G, and B<sup>b</sup>. The Phrygian scale is shown in a C minor key signature with notes C, D<sup>b</sup>, E<sup>b</sup>, F, G, A, B<sup>b</sup>. The scale is labeled "Phrygian".

b9 11 b13 1 b2 3 4 5 b6 b7

Half-Diminished seventh chords

C<sub>o</sub><sup>7</sup>

Musical notation for C<sub>o</sub><sup>7</sup> chord and Locrian scale. The chord is shown in a C minor key signature with notes C, E<sup>b</sup>, G<sup>b</sup>, and B<sup>b</sup>. The Locrian scale is shown in a C minor key signature with notes C, D<sup>b</sup>, E<sup>b</sup>, F<sup>b</sup>, G, A, B<sup>b</sup>. The scale is labeled "Locrian".

11 b13 1 b2 3 4 5 b6 b7

C<sub>o</sub><sup>7</sup>

Musical notation for C<sub>o</sub><sup>7</sup> chord and Locrian #2 scale. The chord is shown in a C minor key signature with notes C, E<sup>b</sup>, G<sup>b</sup>, and B<sup>b</sup>. The Locrian #2 scale is shown in a C minor key signature with notes C, D, E<sup>b</sup>, F<sup>b</sup>, G, A, B<sup>b</sup>. The scale is labeled "Locrian #2" and "6th Mode of Melodic Minor".

9 11 b13 1 2 3 4 5 b6 b7

C<sub>o</sub><sup>7</sup>

Musical notation for C<sub>o</sub><sup>7</sup> chord and 2nd mode of Harmonic Minor scale. The chord is shown in a C minor key signature with notes C, E<sup>b</sup>, G<sup>b</sup>, and B<sup>b</sup>. The 2nd mode of Harmonic Minor scale is shown in a C minor key signature with notes C, D<sup>b</sup>, E<sup>b</sup>, F, G, A<sup>b</sup>, B<sup>b</sup>. The scale is labeled "2nd mode of Harmonic Minor".

11 13 1 b2 3 4 5 6 b7

Diminished seventh chords

C<sub>o</sub><sup>7</sup>

Musical notation for C<sub>o</sub><sup>7</sup> chord and Whole-Half Diminished scale. The chord is shown in a C minor key signature with notes C, E<sup>b</sup>, G<sup>b</sup>, and B<sup>b</sup>. The Whole-Half Diminished scale is shown in a C minor key signature with notes C, D<sup>b</sup>, E<sup>b</sup>, F<sup>b</sup>, G<sup>b</sup>, A<sup>b</sup>, B<sup>b</sup>. The scale is labeled "Whole-Half Diminished".

7 9 11 b13 1 2 b3 4 b5 b6 bb7 7