

Seven Seventh Chords of Western Tonality

This is a collection of reference sheets illustrating the triadic diatonic Major/minor system of seventh chords that has served as the foundation for Western tonality, Classical functioning harmony and contemporary Pop, Rock and Jazz songwriting. The sheets also illustrate the changing chords of the two minor scale mutations: Harmonic and Jazz Melodic (Melodic Ascending).

The purpose of these sheets is to establish clarity for study and reference, so where there is an obvious preference in enharmonic key signature, only one example is offered: why illustrate something in C[#] Major (7 sharps) when one can illustrate the same point in D^b Major (5 flats). The one exception to this is the six-sharp/six-flat key signature: F[#]/G^b Major.

Dr Ian Percy

www.ianpercy.me.uk
contact@ianpercy.me.uk

Seven (Seventh) Chords of D Flat

Major/minor triad system

Ian Percy

Db Major Scale (Ionian Major): Seven Seventh Chords (in root position) ...

Cm^{7(b5)}

Db^Δ Ebm⁷ Fm⁷ Gb^Δ Ab⁷ Bbm⁷ C[∅] Db^Δ

I II III IV V VI VII I

Bb natural minor scale (Aeolian minor): Relative minor key (in root position) ...

Bbm⁷ Cm^{7(b5)} C[∅] Db^Δ Ebm⁷ Fm⁷ Gb^Δ Ab⁷ Bbm⁷

I II III IV V VI VII I

Bb harmonic minor scale: Raised seventh degree (note: V chord becomes dom7th) ...

Bbm^(Δ) Cm^{7(b5)} C[∅] Db^{Δ+} Ebm⁷ F⁷ Gb^Δ A[∅] Bbm^(Δ)

* * * * *

I II III IV V VI VII I

Bb Jazz melodic minor scale: Raised 6th & 7th degrees (Note: IV & V chords dom7th) ...

Gm^{7(b5)} Am^{7(b5)}

Bbm^(Δ) Cm⁷ Db^{Δ+} Eb⁷ F⁷ G[∅] A[∅] Bbm^(Δ)

* * * *

I II III IV V VI VII I

Seven (Seventh) Chords of E Flat

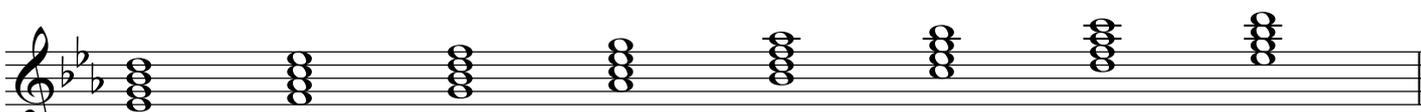
Major/minor triad system

Ian Percy

Eb Major Scale (Ionian Major): Seven Seventh Chords (in root position) ...

Dm^{7(b5)}

Eb^Δ Fm⁷ Gm⁷ Ab^Δ Bb⁷ Cm⁷ D[∅] Eb^Δ

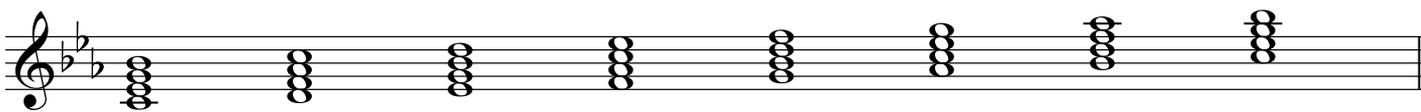


I II III IV V VI VII I

C natural minor scale (Aeolian minor): Relative minor key (in root position) ...

Dm^{7(b5)}

Cm⁷ D[∅] Eb^Δ Fm⁷ Gm⁷ Ab^Δ Bb⁷ Cm⁷



I II III IV V VI VII I

C harmonic minor scale: Raised seventh degree (note: V chord becomes dom7th) ...

Dm^{7(b5)}

Cm^(Δ) D[∅] Eb^{Δ+} Fm⁷ G⁷ Ab^Δ B[∅] Cm^(Δ)

* * * *



I II III IV V VI VII I

C Jazz melodic minor scale: Raised 6th & 7th degrees (Note: IV & V chords dom7th) ...

Am^{7(b5)} Bm^{7(b5)}

Cm^(Δ) Dm⁷ Eb^{Δ+} F⁷ G⁷ A[∅] B[∅] Cm^(Δ)

* *



I II III IV V VI VII I

Seven (Seventh) Chords of E

Major/minor triad system

Ian Percy

E Major Scale (Ionian Major): Seven Seventh Chords (in root position) ...

D#m^{7(b5)}

E^Δ F#m⁷ G#m⁷ A^Δ B⁷ C#m⁷ D#[∅] E^Δ

I II III IV V VI VII I

C# natural minor scale (Aeolian minor): Relative minor key (in root position) ...

D#m^{7(b5)}

C#m⁷ D#[∅] E^Δ F#m⁷ G#m⁷ A^Δ B⁷ C#m⁷

I II III IV V VI VII I

C# harmonic minor scale: Raised seventh degree (note: V chord becomes dom7th) ...

D#m^{7(b5)}

C#m^(Δ) D#[∅] E^{Δ+} F#m⁷ G#⁷ A^Δ B#[∅] C#m^(Δ)

* * *

I II III IV V VI VII I

C# Jazz melodic minor scale: Raised 6th & 7th degrees (Note: IV & V chords dom7th) ...

A#m^{7(b5)} B#m^{7(b5)}

C#m^(Δ) D#m⁷ E^{Δ+} F#⁷ G#⁷ A#[∅] B#[∅] C#m^(Δ)

* *

I II III IV V VI VII I

Seven (Seventh) Chords of F

Major/minor triad system

Ian Percy

F Major Scale (Ionian Major): Seven Seventh Chords (in root position) ...

Em^{7(b5)}

F^Δ Gm⁷ Am⁷ Bb^Δ C⁷ Dm⁷ E[∅] F^Δ

I II III IV V VI VII I

D natural minor scale (Aeolian minor): Relative minor key (in root position) ...

Em^{7(b5)}

Dm⁷ E[∅] F^Δ Gm⁷ Am⁷ Bb^Δ C⁷ Dm⁷

I II III IV V VI VII I

D harmonic minor scale: Raised seventh degree (note: V chord becomes dom7th) ...

Em^{7(b5)}

Dm^(Δ) E[∅] F^{Δ+} Gm⁷ A⁷ Bb^Δ C^{#∅} Dm^(Δ)

I II III IV V VI VII I

D Jazz melodic minor scale: Raised 6th & 7th degrees (Note: IV & V chords dom7th) ...

Bm^{7(b5)} C^{#m7(b5)}

Dm^(Δ) Em⁷ F^{Δ+} G⁷ A⁷ B[∅] C^{#∅} Dm^(Δ)

I II III IV V VI VII I

Seven (Seventh) Chords of F#

Major/minor triad system

Ian Percy

F# Major Scale (Ionian Major): Seven Seventh Chords (in root position) ...

E#m7(b5)

F# Δ G#m7 A#m7 B Δ C#7 D#m7 E# \emptyset F# Δ

I II III IV V VI VII I

D# natural minor scale (Aeolian minor): Relative minor key (in root position) ...

E#m7(b5)

D#m7 E# \emptyset F# Δ G#m7 A#m7 B Δ C#7 D#m7

I II III IV V VI VII I

D# harmonic minor scale: Raised seventh degree (note: V chord becomes dom7th) ...

E#m7(b5)

D#m(Δ)
* E# \emptyset F# Δ +
* G#m7 A#7
* B Δ Cx \emptyset
* D#m(Δ)
*
x

I II III IV V VI VII I

D# Jazz melodic minor scale: Raised 6th & 7th degrees (Note: IV & V chords dom7th) ...

B#m7(b5) Cxm7(b5)

D#m(Δ) E#m7
* F# Δ + G#7
* A#7 B# \emptyset
* Cx \emptyset
* D#m(Δ)
*
x

I II III IV V VI VII I

Seven (Seventh) Chords of G Flat

Major/minor triad system

Ian Percy

Gb Major Scale (Ionian Major): Seven Seventh Chords (in root position) ...

Fm^{7(b5)}

Gb^Δ Abm⁷ Bbm⁷ Cb^Δ Db⁷ Ebm⁷ F[∅] Gb^Δ

I II III IV V VI VII I

Eb natural minor scale (Aeolian minor): Relative minor key (in root position) ...

Fm^{7(b5)}

Ebm⁷ F[∅] Gb^Δ Abm⁷ Bbm⁷ Cb^Δ Db⁷ Ebm⁷

I II III IV V VI VII I

Eb harmonic minor scale: Raised seventh degree (note: V chord becomes dom7th) ...

Fm^{7(b5)}

Ebm^(Δ) F[∅] Gb^{Δ+} Abm⁷ Bb⁷ Cb^Δ D[∅] Ebm^(Δ)

* * * *

I II III IV V VI VII I

Eb Jazz melodic minor scale: Raised 6th & 7th degrees (note: IV & V chords dom7th) ...

Cm^{7(b5)} Dm^{7(b5)}

Ebm^(Δ) Fm⁷ Gb^{Δ+} Ab⁷ Bb⁷ C[∅] D[∅] Ebm^(Δ)

* * * *

I II III IV V VI VII I

Seven (Seventh) Chords of G

Major/minor triad system

Ian Percy

G Major Scale (Ionian Major): Seven Seventh Chords (in root position) ...

F#m7(b5)

G^Δ Am⁷ Bm⁷ C^Δ D⁷ Em⁷ F#[∅] G^Δ

I II III IV V VI VII I

E natural minor scale (Aeolian minor): Relative minor key (in root position) ...

F#m7(b5)

Em⁷ F#[∅] G^Δ Am⁷ Bm⁷ C^Δ D⁷ Em⁷

I II III IV V VI VII I

E harmonic minor scale: Raised seventh degree (note: V chord becomes dom7th) ...

F#m7(b5)

Em^(Δ) F#[∅] G^{Δ+} Am⁷ B⁷ C^Δ D^{#∅} Em^(Δ)

I II III IV V VI VII I

E Jazz melodic minor scale: Raised 6th & 7th degrees (note: IV & V chords dom7th) ...

C#m7(b5) D#m7(b5)

Em^(Δ) F#m⁷ G^{Δ+} A⁷ B⁷ C#[∅] D#[∅] Em^(Δ)

I II III IV V VI VII I

Seven (Seventh) Chords of A Flat

Major/minor triad system

Ian Percy

Ab Major Scale (Ionian Major): Seven Seventh Chords (in root position) ...

Ab^Δ Bbm⁷ Cm⁷ Db^Δ Eb⁷ Fm⁷ Gm^{7(b5)} G[∅] Ab^Δ

I II III IV V VI VII I

F natural minor scale (Aeolian minor): Relative minor key (in root position) ...

Fm⁷ Gm^{7(b5)} G[∅] Ab^Δ Bbm⁷ Cm⁷ Db^Δ Eb⁷ Fm⁷

I II III IV V VI VII I

F harmonic minor scale: Raised seventh degree (note: V chord becomes dom7th) ...

Fm^(Δ) Gm^{7(b5)} Ab^{Δ+} Bbm⁷ C⁷ Db^Δ E[∅] Fm^(Δ)

I II III IV V VI VII I

F Jazz melodic minor scale: Raised 6th & 7th degrees (note: IV & V chords dom7th) ...

Fm^(Δ) Gm⁷ Ab^{Δ+} Bb⁷ C⁷ Dm^{7(b5)} Em^{7(b5)} Fm^(Δ)

I II III IV V VI VII I

Seven (Seventh) Chords of A

Major/minor triad system

Ian Percy

A Major Scale (Ionian Major): Seven Seventh Chords (in root position) ...

G#m7(b5)

A^Δ Bm⁷ C#m⁷ D^Δ E⁷ F#m⁷ G#[∅] A^Δ

I II III IV V VI VII I

F# natural minor scale (Aeolian minor): Relative minor key (in root position) ...

F#m⁷ G#[∅] A^Δ Bm⁷ C#m⁷ D^Δ E⁷ F#m⁷

G#m7(b5)

I II III IV V VI VII I

F# harmonic minor scale: Raised seventh degree (note: V chord becomes dom7th) ...

F#m^(Δ) G#[∅] A^{Δ+} Bm⁷ C#⁷ D^Δ E#[∅] F#m^(Δ)

G#m7(b5)

I II III IV V VI VII I

F# Jazz melodic minor scale: Raised 6th & 7th degrees (note: IV & V chords dom7th) ...

F#m^(Δ) G#m⁷ A^{Δ+} B⁷ C#⁷ D#[∅] E#[∅] F#m^(Δ)

D#m7(b5) E#m7(b5)

I II III IV V VI VII I

Seven (Seventh) Chords of B Flat

Major/minor triad system

Ian Percy

Bb Major Scale (Ionian Major): Seven Seventh Chords (in root position) ...

Bb^{Δ} Cm^7 Dm^7 Eb^{Δ} F^7 Gm^7 A^{\emptyset} Bb^{Δ}

$Am^{7(b5)}$

I II III IV V VI VII I

G natural minor scale (Aeolian minor): Relative minor key (in root position) ...

Gm^7 A^{\emptyset} Bb^{Δ} Cm^7 Dm^7 Eb^{Δ} F^7 Gm^7

$Am^{7(b5)}$

I II III IV V VI VII I

G harmonic minor scale: Raised seventh degree (note: V chord becomes dom7th) ...

$Gm^{(\Delta)}$ A^{\emptyset} $Bb^{\Delta+}$ Cm^7 D^7 Eb^{Δ} $F^{\#\circ}$ $Gm^{(\Delta)}$

$Am^{7(b5)}$

I II III IV V VI VII I

G Jazz melodic minor scale: Raised 6th & 7th degrees (note: IV & V chords dom7th) ...

$Gm^{(\Delta)}$ Am^7 $Bb^{\Delta+}$ C^7 D^7 E^{\emptyset} $F^{\#\emptyset}$ $Gm^{(\Delta)}$

$Em^{7(b5)}$ $F^{\#\circ}$

I II III IV V VI VII I

Seven (Seventh) Chords of B

Major/minor triad system

Ian Percy

B Major Scale (Ionian Major): Seven Seventh Chords (in root position) ...

A#m7(b5)

B Δ C#m7 D#m7 E Δ F#7 G#m7 A# \emptyset B Δ

I II III IV V VI VII I

G# natural minor scale (Aeolian minor): Relative minor key (in root position) ...

G#m7 A# \emptyset B Δ C#m7 D#m7 E Δ F#7 G#m7

A#m7(b5)

I II III IV V VI VII I

G# harmonic minor scale: Raised seventh degree (note: V chord becomes dom7th) ...

G#m(Δ) A# \emptyset B Δ^+ C#m7 D#7 E Δ F $\times\emptyset$ G#m(Δ)

A#m7(b5)

* * * * * * *

I II III IV V VI VII I

G# Jazz melodic minor scale: Raised 6th & 7th degrees (note: IV & V chords dom7th) ...

G#m(Δ) A#m7 B Δ^+ C#7 D#7 E# \emptyset F $\times\emptyset$ G#m(Δ)

E#m7(b5) F \times m7(b5)

* * * * * * *

I II III IV V VI VII I