

# Extending Chord Selection in Diatonic Major / Minor Keys

This chart demonstrates the full range of chords available in a given major or minor key using the technique of tonicisation (temporarily establishing an alternative tone centre within the key – a “mini-modulation” for a short duration). This technique is used extensively in Jazz and Classical music to expand the range of the major/minor system to its utmost. The chart below can be used to facilitate composition and reharmonisation, both in the considered and ad-hoc sense (e.g. scoring a composition/arrangement vs spontaneous chord substitution in Jazz Improvisation). This harmonic technique can be expanded to any genre!

The following classes (functions) of additional chords are used:

1. Secondary Dominants and their tritone substitutes (“V” & “bII” function)
  - e.g. D7 (Secondary Dominant) and Ab7 (Tritone Substitute), resolving to G in key of C major
  
2. Secondary Supertonic (“iiim7 & iiø7” function)
  - e.g. F#m7 to resolve to B7 to Em in key of C
  
3. Secondary Subdominants (“IV & iv function)
  - also known as borrowed chords – “borrowed” from the key’s parallel major/ minor scale counterpart)
    - e.g. Fm in key of C or F in key of C minor

Scale Degree Names in Major Key						Scale Degree Names in Minor Key					
I	Tonic					i	Tonic				
ii	Supertonic					ii	Supertonic				
iii	Mediant					bIII	Mediant				
IV	Subdominant					iv/IV	Subdominant				
V	Dominant					v/V	Dominant				
vi	Submediant					bVI/vi	Submediant				
vii	Leading Note					bVII	Subtonic				
						vii	Leading Note				

## C Major

F/Fm	G/Gm		A/Am	B/Bm	C/Cm		D/Dm		E/Em	Secondary Subdominants (IV)
Dø7	Em7		F#m7	Gm7	Ami7		Bm7		C#m7	Secondary Supertonic (ii)
G7	A7		B7	C7	D7		E7		F#7	Secondary Dominants (V)
Db7	Eb7		F7	Gb7	Ab7		Bb7		C7	Tritone Substitutes (bII)
Cma7	Dm7		Em7	Fma7	G7		Am7		Bø7	Diatonic Chords: Major
i	ii		iii	IV	V		vi		vii	Numerals for Diatonic Chords

## C Minor

F/Fm	G/Gm	Ab/Abm		Bb/Bbm	C/Cm	Db/Dbm	D/Dm	Eb/Ebm	E/Em	Secondary Subdominants (IV)
Dø7	Eø7	Fø7		Gø7	Aøi7	Bbø7	Bø7	Cø7	Cø7	Secondary Supertonic (ii)
G7	A7	Bb7		C7	D7	Eb7	E7	F7	F#7	Secondary Dominants (V)
Db7	Eb7	E7		Gb7	Ab7	A7	Bb7	B7	C7	Tritone Substitutes (bII)
Cmi#7	Dm7b5	Ebma7		Fm7	Gm7	Ab		Bb7		Diatonic Chords: Natural Minor
	Do7	Ebma7#5		Fo7	G7b9	Abo7			Bo7	Additional Chords: Harm. Minor
	Dm7			F7	G9b13		Aø7		Bø7/B7alt	Additional Chords: Mel. Minor
i	ii	bIII		iv	V/v	bVI	vi	bVII	vii	Numerals for Diatonic Chords