

**--MAJOR KEYS--**

relative minor

---tones---	---W---	---W---	---½---	---W---	---W---	---W---	---½---
1 Root	2 (9)	3	4 (11)	5	6 (13)	7	(Octave)
I	ii	iii	IV	V	vi	VII°	I
C	D	E	F	G	A	B	C
G	A	B	C	D	E	F#/Gb	G
D	E	F#/Gb	G	A	B	C#/Db	D
A	B	C#/Db	D	E	F#/Gb	G#/Ab	A
E	F#/Gb	G#/Ab	A	B	C#/Db	D#/Eb	E
B	C#/Db	D#/Eb	E	F#/Gb	G#/Ab	A#/Bb	B
F#/Gb	G#/Ab	A#/Bb	B	C#/Db	D#/Eb	F	F#/Gb
C#/Db	D#/Eb	F	F#/Gb	G#/Ab	A#/Bb	C	C#/Db
G#/Ab	A#/Bb	C	C#/Db	D#/Eb	F	G	G#/Ab
D#/Eb	F	G	G#/Ab	A#/Bb	C	D	D#/Eb
A#/Bb	C	D	D#/Eb	F	G	A	A#/Bb
F	G	A	A#/Bb	C	D	E	F

**COMMON MAJ PROGRESSIONS**

- I, ii
- I, IV
- I, V
- I, vi
- I, bVII
- I, ii, IV
- I, ii, V
- I, IV, V
- I, iii, IV
- I, ii, iii, IV, V
- I, ii, iii, IV, V, vi
- I, vi, IV, V
- I, vi, ii, V
- I, IV, ii, V

**CHORD SUBSTITUTIONS (examples)**

C6 ↔ Am7      Dm6 ↔ Bm7b5  
**Diatonic substitution:** a diatonic 3<sup>rd</sup> above or below original tonic:  
 I chord → vi (diatonic 3<sup>rd</sup> below)  
 I chord → iii (diatonic 3<sup>rd</sup> above)  
**Dominant substitutions:**  
 C7 → Maj 2<sup>nd</sup>↓ [Bbmaj]      °3<sup>rd</sup>↓ [A°]  
          °3<sup>rd</sup>↑ [E°]      Maj 2<sup>nd</sup>↓/R [Bb/C]  
          min7 4<sup>th</sup>↓/R [Gm7/C]      min7↑/R [Dm7/C]

**--MINOR KEYS--**

relative major

-steps-	---W---	---½---	---W---	---W---	---½---	---W---	---W---
i	II°	bIII	iv	v	bVI	bVII	i
A	B	C	D	E	F	G	A
E	F#/Gb	G	A	B	C	D	E
B	C#/Db	D	E	F#/Gb	G	A	B
F#/Gb	G#/Ab	A	B	C#/Db	D	E	F#/Gb
C#/Db	D#/Eb	E	F#/Gb	G#/Ab	A	B	C#/Db
G#/Ab	A#/Bb	B	C#/Db	D#/Eb	E	F#/Gb	G#/Ab
D#/Eb	F	F#/Gb	G#/Ab	A#/Bb	B	C#/Db	D#/Eb
A#/Bb	C	C#/Db	D#/Eb	F	F#/Gb	G#/Ab	A#/Bb
F	G	G#/Ab	A#/Bb	C	C#/Db	D#/Eb	F
C	D	D#/Eb	F	G	G#/Ab	A#/Bb	C
G	A	A#/Bb	C	D	D#/Eb	F	G
D	E	F	G	A	A#/Bb	C	D

**NATURAL MINOR:** i7    ii7b5    bIIIImaj7    iv7    v7    bVIImaj7    bVII7    i7

- |                      |                    |                         |                                 |  |                   |
|----------------------|--------------------|-------------------------|---------------------------------|--|-------------------|
| ▪ i, bIII<br>▪ i, iv | ▪ i, v<br>▪ i, bVI | ▪ i, bVII<br>▪ i, iv, v | ▪ i, iv, bVII<br>▪ i, bVI, bVII | ▪ i, bIII, bVI, bVII<br>▪ i, iv, bVI, bVII | ▪ i, v, bVI, bVII |
|----------------------|--------------------|-------------------------|---------------------------------|--|-------------------|

**HARM. MINOR:** i7(maj7)    ii7b5    IIIImaj7+    iv7    v7    VIImaj7    VII7°    i7(maj7)

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|--------------------------------|--|
| ▪ i, iv, V7<br>▪ i, iv, V, bVI | <b>Mixing natural &amp; harmonic scales:</b><br>Chromatic ½ steps ex. : bVI    v7    iv7    bIV    IV    bIV    IV |
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MODES	I	ii	iii	iv	V	iv	VII
(Maj scale)	Ionian	Dorian	Phrygian	Lydian	Mixolydian	Aeolian	Locrian