

MINOR KEYS

AND

DIATONIC MODES

PARALLEL KEYS

Parallel keys begin on the same note, but have different key signatures and whole- and half- step arrangements.



RELATIVE KEYS

Relative keys have the same key signature, and different tonics.

A relative **minor** key will start on the 6th scale degree of a **major** key. (or count down 3 half steps from the tonic of the major.)

The relative **major** of a **minor** key, find the $\hat{3}$ and that note is the tonic. (or count up 3 half steps from the tonic of the minor.)

key signature	major key	minor key			
 no sharps or flats	C major	A minor			
 1 flat	F major	D minor	 1 sharp	G major	E minor
 2 flats	Bb major	G minor	 2 sharps	D major	B minor
 3 flats	Eb major	C minor	 3 sharps	A major	F# minor
 4 flats	Ab major	F minor	 4 sharps	E major	C# minor
 5 flats	Db major	Bb minor	 5 sharps	B major	G# minor
 6 flats	Gb major	Eb minor	 6 sharps	F# major	D# minor
 7 flats	Cb major	Ab minor	 7 sharps	C# major	A# minor

MINOR KEYS

have three forms - **Natural** minor, **Harmonic** minor, and **Melodic** minor.

Natural minor exactly matches the key signature of the major scale.

Harmonic minor raises the 7th scale degree, which creates a **leading tone**.

Melodic minor matches the major scale when ascending, but upon descent, it **lowers** the 6th and 7th scale degrees by one half-step.

- In **natural minor**, the **flat 7th** is called the **subtonic**.
- In **melodic minor**, the **raised 6th** is called a **raised submediant**.
- Scale degrees 3, 6, and 7 are called **modal scale degrees** because they create the distinctive sound of the mode.

Major & Minor Scale

The image shows two musical staves. The top staff is for C Major, with notes C4, D4, E4, F4, G4, A4, B4, C5. The intervals between notes are: C-D (Whole step), D-E (Whole step), E-F (Half step), F-G (Whole step), G-A (Whole step), A-B (Whole step), B-C (Half step). The bottom staff is for A Minor, with notes A3, B3, C4, D4, E4, F4, G4, A4. The intervals between notes are: A-B (Whole step), B-C (Half step), C-D (Whole step), D-E (Whole step), E-F (Half step), F-G (Whole step), G-A (Whole step).

Cipher

Key signature: C Maj./A min. (no flats or sharps)

Seventh chords of Major C Major

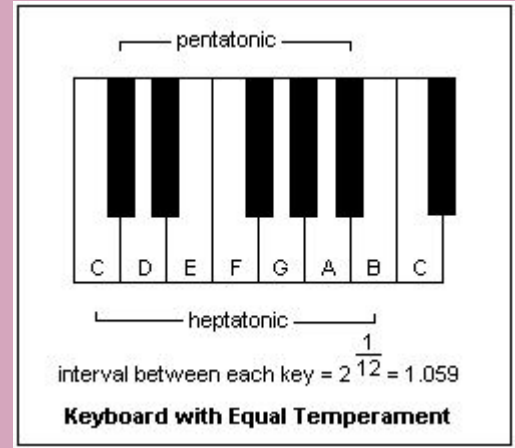
The image shows a musical staff with seven chords: I7 (C7), ii7 (D7), iii7 (E7), IV7 (F7), V7 (G7), vi7 (A7), and vii7 (B7). Below the staff is a table of chord symbols and their constituent notes.

Chord Symbol	Notes
I ⁷	C D E F G A B C
ii ⁷	D E F G A B C
iii ⁷	E F G A B C
IV ⁷	F G A B C D
V ⁷	G A B C D E
vi ⁷	A B C D E F
vii ⁷	B C D E F G

0° I⁷ = C E G B... Maj-Maj.. Major seventh R 3 5 7 0° 4° 7° 11°
 2° ii⁷ = D F A C... min-min.. minor seventh R b3 5 b7 0° 3° 7° 10°
 4° iii⁷ = E G B D... min-min.. minor seventh R b3 5 b7 0° 3° 7° 10°
 5° IV⁷ = F A C E... Maj-Maj.. Major seventh R 3 5 7 0° 4° 7° 11°
 7° V⁷ = G B D F... Maj-min.. Dominant seventh .. R 3 5 b7 0° 4° 7° 10°
 9° vi⁷ = A C E G... min-min.. minor seventh R b3 5 b7 0° 3° 7° 10°
 11° vii⁷ = B D F A... dim-min.. half-dim seventh ... R b3 b5 b7 0° 3° 6° 10°
 12° I⁷ = C E G B... Maj-Maj.. Major seventh R 3 5 7 0° 4° 7° 11°

PENTATONIC SCALES

- Pentatonic Scales consist of 5 notes, as opposed to the heptatonic scale with 7.
- These scales omit the 2 and lowered 7 scale degrees.
- Major pentatonic scales get their sound from the 1, 3, and 5 scale degrees.
- Minor pentatonic scales get their sound from the 1, lowered 3, and 5 scale degrees.



MODAL SCALES

There are 6 diatonic modes:

1. Ionian

- Starts, ends on scale degree 1

2. Dorian

- Starts, ends on scale degree 2

3. Phrygian

- Starts, ends on scale degree 3

4. Lydian

- Starts, ends on scale degree 4

5. Mixolydian

- Starts, ends on scale degree 5

6. Aeolian

- Starts, ends on scale degree 6

1. Ionian 2. Dorian 3. Phrygian 4. Lydian

5. Mixolydian 6. Aeolian 7. Locrian

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Key of G ♠	G	A	B	C	D	E	F#	G	A	B	C	D	E	F#
G Ionian ♠	G	A	B	C	D	E	F#							
A Dorian ♠		A	B	C	D	E	F#	G						
B Phrygian ♠			B	C	D	E	F#	G	A					
C Lydian ♠				C	D	E	F#	G	A	B				
D Mixolydian ♠					D	E	F#	G	A	B	C			
E Aeolian ♠						E	F#	G	A	B	C	D		
F# Locrian ♠							F#	G	A	B	C	D	E	