

Whole and Half Steps

A A#/Bb B C C#/Db D D#/Eb E F F#/Gb G G#/Ab

Key Signatures

Order of the Sharps
F C G D A E B

Order of the Flats
B E A D G C F

Scale Formulas

Major scale = W-W-H-W-W-W-H (2-2-1-2-2-2-1)
Major pentatonic scale = W-W-WH-W-WH (2 2 3 2 3)
Minor pentatonic scale = WH-W-W-WH-W (3-2-2-3-2)
Blues scale = WH-W-H-H-WH-W (3-2-1-1-3-2)
Natural minor scale (Aeolian) = W-H-W-W-H-W-W (2-1-2-2-1-2-2)
Harmonic Minor scale = W-H-W-W-H-WH-H (2-1-2-2-1-3-2)
Melodic Minor scale = W-H-W-W-W-W-H (2-1-2-2-2-2-1)
Mixolydian scale = W-W-H-W-W-H-W (2,2,1,2,2,1,2)
Dorian scale = W-H-W-W-W-H-W (2-1-2-2-2-1-2)

Inverted Scales

1st Inversion (begin on 2nd step)
2nd Inversion (begin on 3rd step)
3rd Inversion (begin on 4th step)

C Major Scale: C D E F G A B C
C Major 1st Inversion: D E F G A B C D
C Major 2nd Inversion: E F G A B C D E
C Major 3rd Inversion: F G A B C D E F

Chords

Major 1 3 5

minor 1 b3 5

Augmented 1 3 +5

Diminished 1 b3 b5

Major 7th 1 3 5 7

Dominant 7th 1 3 5 b7

minor 7th 1 b3 5 b7

1/2 diminished 1 b3 b5 b7

fully diminished 1 b3 b5 bb7

Inverted Chords

1st inversion (begin on the 3rd)

2nd inversion (begin on the 5th)

3rd inversion (begin on the 7th)

C Major 7th Chord: C E G B

C Major 1st Inversion: E G B C

C Major 2nd Inversion: G B C E

C Major 3rd Inversion: B C E G