

Circle of 5ths: Deriving all 12 Diatonic Major keys

w = whole step = 2 frets

h = half step = 1 fret

Chromatic Scale

A A# B C C# D D# E F F# G G# (*repeats*)
 (Bb) (Db) (Eb) (Gb)

Maj Scale

w w h w w w h

Apply w/h formula to the chromatic scale

This works for each pitch so there are 12 keys/Major scales total

C Major scale

1 C D E F G A B C

Root (for other scales)

2 G A B C D E F# G

3 D E F# G A B C# D

4 A B C# D E F# G# A

5 E F# G# A B C# D# E

6 B C# D# E F# G# A# B

7 F# G# A# B C# D# E# F# (This scale is enharmonic with Gb)

8 C# D# E# F# G# A# B# C# (This scale is enharmonic with Db)

12 F G A Bb C D E F

11 Bb C D Eb F G A Bb

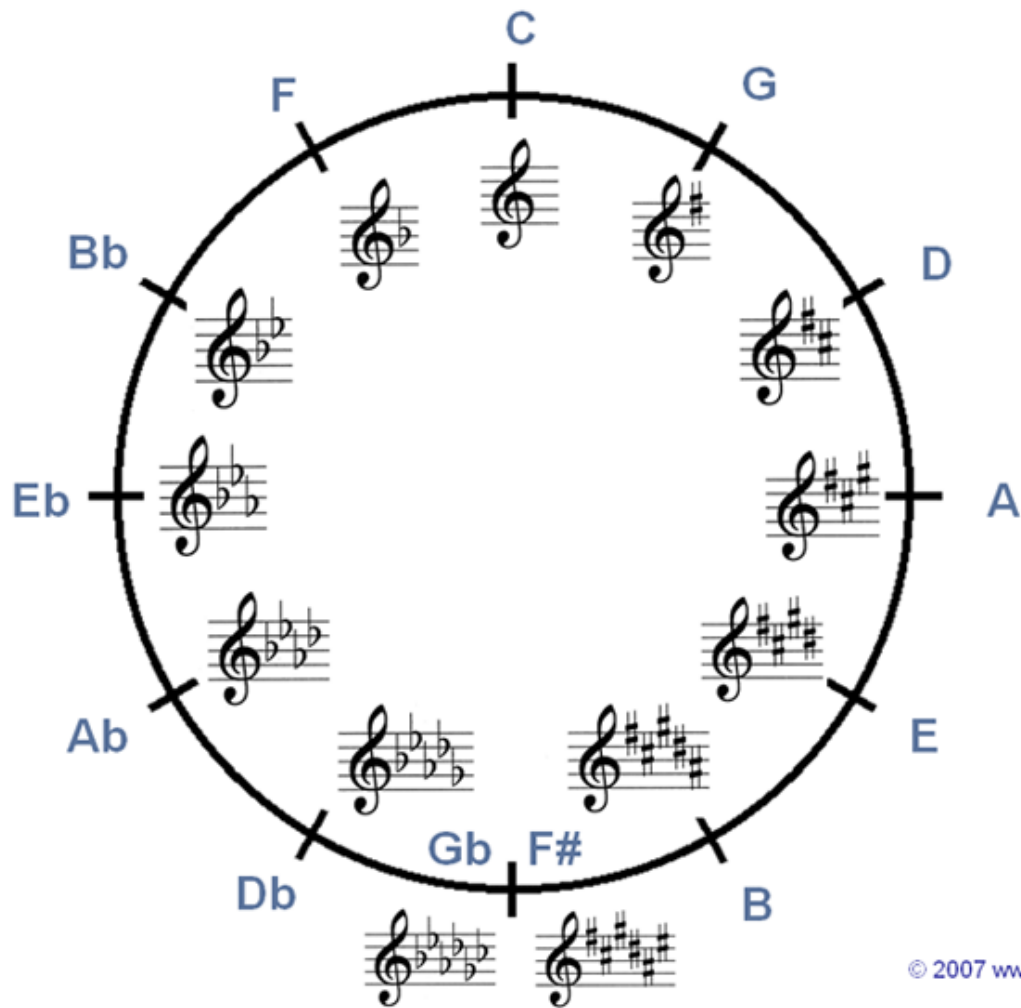
10 Eb F G Ab Bb C D Eb

9 Ab Bb C Db Eb F G Ab

8 Db Eb F Gb Ab Bb C Db (This scale is enharmonic with C#)

7 Gb Ab Bb Cb Db Eb F Gb (This scale is enharmonic with F#)

6 Cb Db Eb Fb Gb Ab Bb Cb (This scale is enharmonic with B)



SHARPS (#)
 F C G D A E B

FLATS (b)
 B E A D G C F