

F G A B c (#) c# d d# e f f# g g# a a# b c' c# d' d# e' f' f# g' g# a' b' c'' d'' e'' f''
 (b) db eb gb ab h d'b e'b g'b a'b h'

Major modes

1. Ionian (major) b3,b7
2. Dorian b2,b3,b6,b7
3. Phrygian #4
4. Lydian #4
5. Mixolydian b7
6. Aeolian (nat. minor) b3,b6,b7
7. Locrian b2,b3,b5,b6,b7

Harmonic minor modes

1. Harmonic minor b3,b6
2. Locrian b6 b2,b3,b5,b7
3. Ionian aug. #5
4. Dorian #4 b3,#4,b7
5. Phrygian major b2,b6,b7
6. Lydian #9 #2,#4
7. Alt. dominant b7 b2,b3,b4,b5,b6,b7

Melodic minor modes

1. Melodic minor b3
2. Dorian b2 b2,b3,b7
3. Lydian aug. #4,#5
4. Lydian dominant #4,b7
5. Mixolydian b6 b6,b7
6. Locrian b2 b3,b5,b6,b7
7. Super locrian (alt. dominant) b2,b3,b4,b5,b6,b7

Ionian I ii iii IV V vi vii I 8 9 ii iii IV V vi vii 8
 Dorian ii III iv v VI VII i ii III iv v VI VII 8
 Phrygian iii IV v VI vi VII vii I ii III iv v VI VII 8
 Lydian iv v VI vi VII vii I ii III iv v VI VII 8
 Mixolydian v VI vi VII vii I ii III iv v VI VII 8
 Aeolian (nat. minor) vi vii I ii III iv v VI VII 8
 Locrian vii I ii III iv v VI VII 8

Natural minor: i ii° III iv v VI VII 8 9 ii° III iv v VI VII 8
 Harmonic minor: i ii° III+ iv v VI vii° i 8 9 ii° III+ iv v VI vii° 8
 Melodic minor: i ii III+ iv v vi° vii° i 8 9 ii° III+ iv v vi° vii° 8

Circle of fifths:

Accidentals	Major	Minor	Dim.
6b	- Gb	- eb	- f°
5b	- Db	- h	- c°
4b	- Ab	- f	- g°
3b	- Eb	- c	- d°
2b	- H	- g	- a°
1b	- F	- d	- e°
1#	- G	- e	- f#°
2#	- D	- b	- c#°
3#	- A	- f#	- g#°
4#	- E	- cis	- d#°
5#	- B	- gis	- a#°
6#	- F#/Gb	- dis/es	- e#°/f°

Diatonic triads (C-major):

C e G b° d F a C

Scales:

C	d	e	F	G	a	b°	C	major
c	d°	eb	f	g	ab	b7	c	(nat.) minor
c	d°	eb+	f	G	Ab	b°	c	harm. minor
c	d	eb+	f	G	a°	b°	c	melod. minor
C	d°	e	f	G	Ab	b°	C	(harm. major)

#: Root note is 1 half step above last #
 b: 2nd last b is root note

0: root
 1: minor second
 2: major second
 3: minor third
 4: major third
 5: fourth
 6: tritone
 7: fifth
 8: minor sixth
 9: major sixth
 10: minor seventh
 11: major seventh
 12: octave
 13: minor ninth
 14: major ninth
 15: small tenth
 16: major tenth

Transposing:

C c# D d# E F f# G g# A a# B C
 db eb gb ab h