

Week -1 Theory

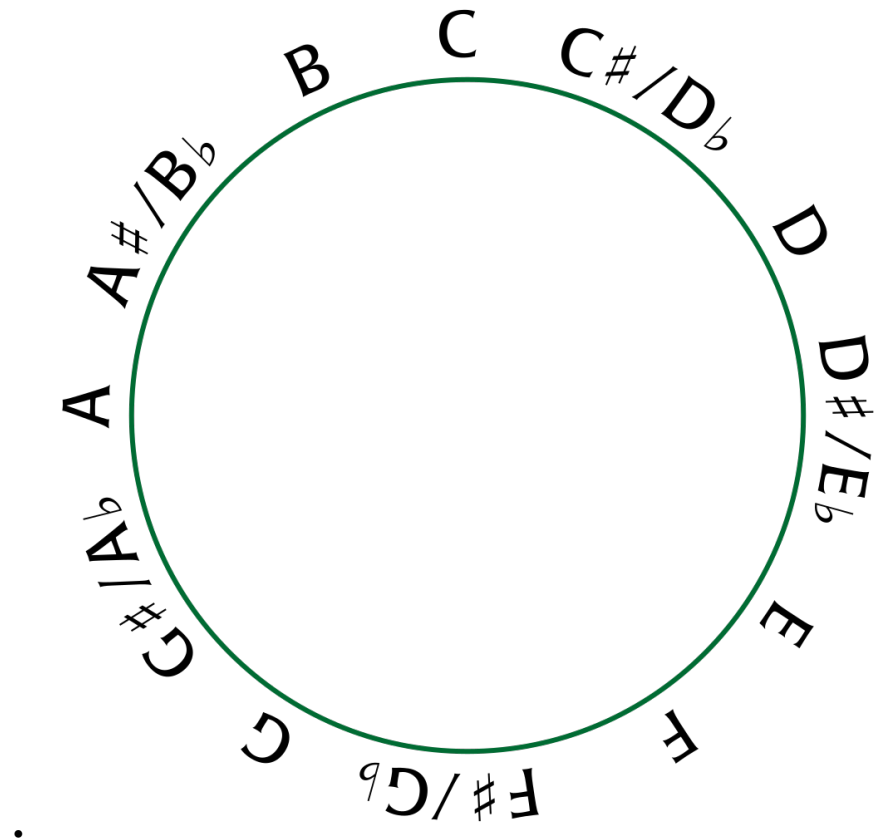
Chromatic scale notes

- A, A#, B, C, C#, D, D#, E, F, F#, G, G#, A

Tones

- Whole tone : e.g. A -> B i.e. a jump of two frets.
- Semi tone: e.g. A -> A# i.e. a jumping to next fret.

Circle of notes



Making the major scale

Formula

- Root + 2 tone + 1 semitone + 3 tone + 1 semitone

All major scales

C major scale

- C D E F G A B C
- Natural scale

Db/C# major scale

- C# D# F F# G# A# C C#
- Converted: Db Eb F Gb Ab Bb C Db
- 5b scale

D major scale

- D E F# G A B C# D
- 2# scale

Eb/D# major scale

- D# F G G# A# C D D#
- Converted Eb F G Ab Bb C D Eb
- 3b scale

E major scale

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

F major scale

- F G A A# C D E F
- Converted: F G A Bb D E F
- 1b scale

Gb/F# major scale

- F# G# A# B C# D# F F#
- Converted: Gb Ab Bb Cb Db Eb F Gb
- 6b scale

G major scale

- G A B C D E F# G
- 1# scale

Ab/G# major scale

- G# A# C C# D# F G G#
- Converted: Ab Bb C Db Eb F G Ab
- 4b scale

A major scale

- A B C# D E F# G# A
- 3# scale

Bb/A# major scale

- A# C D D# F G A A#
- Converted: Bb C D Eb F G A Bb
- 2b scale

B major scale

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

Rules for major and minor scale

- No alphabets should be repeated.
- Sharps and flats will not be there in the same scale.
- All alphabets must be present.
- If the scale does not satisfy the above then:
 - The scale is in sharp(#) mode.
 - To convert the scale convert it into flat(b) mode.

Example F# major scale

- F# G# A# B C# D# F F#
- Convert # to b:
 - Gb Ab Bb Cb Db Eb F Gb
- F# major scale does not exist. We call Gb major scale.
- Gb major scale is an example of 6b scale since it has 6 flat notes.

Natural scale

- If a scale does not have any sharp or flat notes then it is called a natural scale.

Making the minor scale

Formula

- To make a minor scale, put b on 3rd, 6th and 7th notes of a major scale.

Rules

- In case of the converted major scales, put the b on sharp(#) mode first.
- If the scale is still not satisfying the rules, then put the b on the converted scale.

Example Cm scale

- C major scale
 - C D E F G A B C
- C minor scale
 - C D Eb F G Ab Bb C
- Since it has 3 flat notes we call it a 3b scale.

Example F#m scale

- F# major scale
 - F# G# A# B C# D# F F#
- F# minor scale
 - F# G# A B C# D E F#
- Since it has 3 sharp notes we call it a 3# scale
- F# major scale does not exist but minor does since it satisfies the rules.

All minor scales

C minor scale

- C D Eb F G Ab Bb C
- 3b scale

C# minor scale

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

D minor scale

- D E F G A Bb C D
- 1b scale

Eb/D# minor scale

- D# F Gb G# A# B Db D#
- Converted: Eb F Gb Ab Bb Cb Db Eb
- 6b scale

E minor scale

- E F# G A B C D E
- 1# scale

F minor scale

- F G Ab A# C Db Eb F
- Converted: F G Ab Bb C Db Eb F
- 4b scale

F# minor scale

- F# G# A B C# D E F#
- 3# scale

G minor scale

- G A B \flat C D E \flat F G
- 2 \flat scale

G# minor scale

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

A minor scale

- A B C D E F G A
- Natural scale

B \flat /A# minor scale

- A# C D \flat D# F G \flat A \flat A#
- Converted: B \flat C D \flat E \flat F G \flat A \flat B \flat
- 5 \flat scale

B minor scale

- B C# D E F# G A B
- 2# scale

Relative major and minor scale

| Major | Relative Minor | Result |
|---------------|----------------|-----------------|
| C | A | Natural scale |
| D \flat /C# | B \flat /A# | 5 \flat scale |
| D | B | 2# scale |
| E \flat /D# | C | 3 \flat scale |
| E | C# | 4# scale |
| F | D | 1 \flat scale |
| G \flat /F# | E \flat /D# | 6 \flat scale |
| G | E | 1# scale |
| A \flat /G# | F | 4 \flat scale |
| A | F# | 3# scale |
| B \flat /A# | G | 2 \flat scale |
| B | G# | 5# scale |

Scale shapes

- Format `string-fret/finger`

Shape-1

5-3/3 4-0/0 4-2/2 4-3/3 3-0/0
3-2/2 2-0/0 2-1/1 2-3/3 1-0/0
1-1/1 1-3/3 1-5/1 1-7/3 1-8/4

Shape-2

6-8/4 5-5/1 5-7/3 5-8/4 4-5/1
4-7/3 3-4/1 3-5/1 3-7/3 2-5/1
2-6/2 2-8/4 1-5/1 1-7/3 1-8/4

Shape-3

6-8/2 6-10/4 5-7/1 5-8/2 5-10/4
4-7/1 4-9/3 4-10/4 3-7/1 3-9/3
3-10/4 2-8/2 2-10/4 1-7/1 1-8/2

Shape-4

6-8/1 6-10/3 6-12/4 5-8/1 5-10/3
5-12/4 4-9/1 4-10/2 4-12/4 3-9/1
3-10/2 3-12/4 2-10/1 2-12/3 2-13/4

Combination

- Practice shape-1 in downward motion then shape-2 in upward motion and then shape-3/4 in downward motion.
- Practice the above pattern in reverse also.
- Practice with metronome

Exercise-1 in D-minor

- Format `string-fret/finger`

4-7/3 3-7/3 3-6/2 3-7/3 2-6/2 3-7/3 3-6/2 3-7/3
 1-5/1 3-7/3 3-6/2 3-7/3 1-6/2 3-7/3 3-6/2 3-7/3
 1-5/1 2-8/4 2-6/2 1-5/1 2-8/4 2-6/2 2-5/1 2-8/4
 2-6/2 2-5/1 3-7/3 2-6/2 2-5/1 3-7/3 3-6/2 3-7/3

 3-7/3 4-7/3 5-8/4 4-7/3 5-5/1 5-8/4 6-5/1 5-5/1
 5-5/1 6-5/1 6-8/4 5-5/1 4-7/3 3-7/3 2-6/2 1-5/1
 1-6/2 2-8/4 2-5/1 2-8/4 3-7/3 2-6/2 4-7/3-s-4-8/3
 4-5/1 4-8/4 5-7/3 4-5/1 4-7/3 3-7/3 3-6/2 2-5/1

 3-7/1 1-10/4 3-7/1 1-8/2 3-7/1 1-7/1 3-7/1 2-10/4
 3-7/1 2-8/2 3-7/1 2-7/1 3-9/4 3-7/2 3-6/1 3-7/2
 3-5/1 1-8/4 3-5/1 1-7/3 3-5/1 1-5/1 3-5/1 2-8/4
 3-5/1 2-6/2 3-5/1 2-5/1 3-7/4 3-5/2 3-4/1 3-5/2

 1-5/1 2-8/4 2-6/2 2-5/1 1-6/2 1-5/1 2-8/4 2-6/2
 1-8/4 1-6/2 1-5/1 2-8/4 1-10/4 1-8/3 1-6/2 1-5/1
 2-6/2 1-5/1 2-5/1 1-5/1 3-7/3 1-5/1 3-6/2 1-5/1
 4-7/3 1-5/1 3-6/2 1-5/1 3-7/3(sustain)

- -s- means slide.