

C O D E X  
of  
H A R M O N Y

---

# C O N T E N T S

---

Major Scales & Diatonic Chords

Minor Scales & Diatonic Chords  
(natural minor)

Chord Voicings

Improvising

Videos

Recommended Literature

## C major

---

Pentatonic  
C D E G A

C D E F G A B C  
1 2 3 4 5 6 7 8

Diatonic chords:

C maj = C E G

D min = D F A

E min = E G B

F maj = F A C

G maj = G B D

A min = A C E

B dim = B D F

## G major

---

Pentatonic  
G A B D E

G A B C D E F# G  
1 2 3 4 5 6 7 8

Diatonic chords:

G maj = G B D

A min = A C E

B min = B D F#

C maj = C E G

D maj = D F# A

E min = E G B

F# dim = F# A C

## D major

---

Pentatonic  
D E F# A B

D E F# G A B C# D  
1 2 3 4 5 6 7 8

Diatonic chords:

D maj = D F# A

E min = E G B

F# min = F# A C#

G maj = G B D

A maj = A C# E

B min = B D F#

C# dim = C# E G

## A major

---

Pentatonic  
A B C# E F#

A B C# D E F# G# A  
1 2 3 4 5 6 7 8

Diatonic chords:

A maj = A C# E

B min = B D F#

C# min = C# E G#

D maj = D F# A

E maj = E G# B

F# min = F# A C#

G# dim = G# B D

# E major

---

Pentatonic  
E F# G# B C#

E F# G# A B C# D# E  
1 2 3 4 5 6 7 8

Diatonic chords:

E maj = E G# B

F# min = F# A C#

G# min = G# B D#

A maj = A C# E

B maj = B D# F#

C# min = C# E G#

D# dim = D# F# A

# B major

---

Pentatonic  
B C# D# F# G#

B C# D# E F# G# A# B  
1 2 3 4 5 6 7 8

Diatonic chords:

B maj = B D# F#

C# min = C# E G#

D# min = D# F# A#

E maj = E G# B

F# maj = F# A# C#

G# min = G# B D#

A# dim = A# C# E

## F# major

---

Pentatonic  
F# G# A# C# D#

F# G# A# B C# D# E# F#  
1 2 3 4 5 6 7 8

Diatonic chords:

F# maj = F# A# C#

G# min = G# B D#

A# min = A# C# E#

B maj = B D# F#

C# maj = C# E# G#

D# min = D# F# A#

E# dim = E# G# B

## Db major

---

Pentatonic  
Db Eb F Ab Bb

Db Eb F Gb Ab Bb C Db  
1 2 3 4 5 6 7 8

Diatonic chords:

Db maj = Db F Ab

Eb min = Eb Gb Bb

F min = F Ab C

Gb maj = Gb Bb Db

Ab maj = Ab C Eb

Bb min = Bb Db F

C dim = C Eb Gb

# Ab major

---

Pentatonic  
Ab Bb C Eb F

Ab Bb C Db Eb F G Ab  
1 2 3 4 5 6 7 8

Diatonic chords:

Ab maj = Ab C Eb

Bb min = Bb Db F

C min = C Eb G

Db maj = Db F Ab

Eb maj = Eb G Bb

F min = F Ab C

G dim = G Bb Db

# Eb major

---

Pentatonic  
Eb F G Bb C

Eb F G Ab Bb C D Eb  
1 2 3 4 5 6 7 8

Diatonic chords:

Eb maj = Eb G Bb

F min = F Ab C

G min = G Bb D

Ab maj = Ab C Eb

Bb maj = Bb D F

C min = C Eb G

D dim = D F Ab

## Bb major

---

Pentatonic  
Bb C D F G

Bb C D Eb F G A Bb  
1 2 3 4 5 6 7 8

Diatonic chords:

Bb maj = Bb D F

C min = C Eb G

D min = D F A

Eb maj = Eb G Bb

F maj = F A C

G min = G Bb D

A dim = A C Eb

## F major

---

Pentatonic  
F G A C D

F G A Bb C D E F  
1 2 3 4 5 6 7 8

Diatonic chords:

F maj = F A C

G min = G Bb D

A min = A C E

Bb maj = Bb D F

C maj = C E G

D min = D F A

E dim = E G Bb



## C minor

---

Pentatonic  
C Eb F G Bb

C D Eb F G Ab Bb C  
1 2 3 4 5 6 7 8

Diatonic chords:

C min = C Eb G

D dim = D F Ab

Eb maj = Eb G Bb

F min = F Ab C

G min = G Bb D

Ab maj = Ab C Eb

Bb maj = Bb D F

## G minor

---

Pentatonic  
G Bb C D F

G A Bb C D Eb F G  
1 2 3 4 5 6 7 8

Diatonic chords:

G min = G Bb D

A dim = A C Eb

Bb maj = Bb D F

C min = C Eb G

D min = D F A

Eb maj = Eb G Bb

F maj = F A C

## D minor

---

Pentatonic  
D F G A C

D E F G A B $\flat$  C D  
1 2 3 4 5 6 7 8

Diatonic chords:

D min = D F A

E dim = E G B $\flat$

F maj = F A C

G min = G B $\flat$  D

A min = A C E

B $\flat$  maj = B $\flat$  D F

C $\flat$  maj = C E G

## A minor

---

Pentatonic  
A C D E G

A B C D E F G A  
1 2 3 4 5 6 7 8

Diatonic chords:

A min = A C E

B dim = B D F

C maj = C E G

D min = D F A

E min = E G B

F maj = F A C

G maj = G B D

## E minor

---

Pentatonic  
E G A B D

E F# G A B C D E  
1 2 3 4 5 6 7 8

Diatonic chords:

E min = E G B

F# dim = F# A C

G maj = G B D

A min = A C E

B min = B D F#

C maj = C E G

D maj = D F# A

## B minor

---

Pentatonic  
B D E F# A

B C# D E F# G A B  
1 2 3 4 5 6 7 8

Diatonic chords:

B min = B D F#

C# dim = C# E G

D maj = D F# A

E min = E G B

F# min = F# A C#

G maj = G B D

A maj = A C# E

## F# minor

---

Pentatonic  
F# A B C# E

F# G# A B C# D E F#  
1 2 3 4 5 6 7 8

Diatonic chords:

F# min = F# A C#

G# dim = G# B D

A maj = A C# E

B min = B D F#

C# min = C# E G#

D maj = D F# A

E maj = E G# B

## C# minor

---

Pentatonic  
C# E F# G# B

C# D# E F# G# A B C#  
1 2 3 4 5 6 7 8

Diatonic chords:

C# min = C# E G#

D# dim = D# F# A

E maj = E G# B

F# min = F# A C#

G# min = G# B D#

A maj = A C# E

B maj = B D# F#

# Ab minor

---

Pentatonic  
Ab Cb Db Eb Gb

Ab Bb Cb Db Eb Fb Gb Ab  
1 2 3 4 5 6 7 8

Diatonic chords:

Ab min = Ab Cb Eb

Bb dim = Bb Db Fb

Cb maj = Cb Eb Gb

Db min = Db Fb Ab

Eb min = Eb Gb Bb

Fb maj = Fb Ab Cb

Gb maj = Gb Bb Db

# Eb minor

---

Pentatonic  
Eb Gb Ab Bb Db

Eb F Gb Ab Bb Cb Db Eb  
1 2 3 4 5 6 7 8

Diatonic chords:

Eb min = Eb Gb Bb

F dim = F Ab Cb

Gb maj = Gb Bb Db

Ab min = Ab Cb Eb

Bb min = Bb Db F

Cb maj = Cb Eb Gb

Db maj = Db F Ab

## Bb minor

---

Pentatonic  
Bb Db Eb F Ab

Bb C Db Eb F Gb Ab Bb  
1 2 3 4 5 6 7 8

Diatonic chords:

Bb min = Bb Db F

C dim = C Eb Gb

Db maj = Db F Ab

Eb min = Eb Gb Bb

F min = F Ab C

Gb maj = Gb Bb Db

Ab maj = Ab C Eb

## F minor

---

Pentatonic  
F Ab Bb C Eb

F G Ab Bb C Db Eb F  
1 2 3 4 5 6 7 8

Diatonic chords:

F min = F Ab C

G dim = G Bb Db

Ab maj = Ab C Eb

Bb min = Bb Db F

C min = C Eb G

Db maj = Db F Ab

Eb maj = Eb G Bb

# Chord Voicings

---

Using Scale Degrees from the Major Scale (for all voicings)

LH = Left Hand, RH = Right Hand

\*remember: 2=9, 4=11, 6=13

## Major Triads

Major Triad

LH: 1, 5

RH: 3, 1

Major Triad, add 2

LH: 1, 5

RH: 5, 2, 3

Major Triad, add 4

LH: 1, 5

RH: 3, 4, 5, 1

Major Triad, sus 2

LH: 1, 5

RH: 1, 2, 5

Major Triad, sus 4

LH: 1, 8

RH: 1, 4, 5

6 Chord

LH: 1, 5

RH: 1, 3, 6

6/9 Chord

LH: 1, 8

RH: 3, 6, 2

## Minor Triads

Minor Triad

LH: 1, 5

RH: b3, 1

Minor Triad

LH: 1, 8

RH: b3, 5, 1

Minor Triad, add 2

LH: 1, 5

RH: 2, b3, 1

Minor Triad, add 2

LH: 1, 8

RH: 5, 1, 2, b3

Minor Triad, add 4

LH: 1, 5

RH: 1, b3, 4, 5

Minor Triad, add 4

LH: 1, 8

RH: b3, 4, 5, 1



## Major Sevenths

Major 7th

LH: 1, 5

RH: 7, 3

Major 7th

LH: 1, 8

RH: 5, 7, 1, 3

Major 7th

LH: 1, 7

RH: 3, 5, 7, 1

Major 9th

LH: 1, 5

RH: 3, 5, 7, 2

Major 9th

LH: 1, 8

RH: 7, 2, 3, 5

Major 9th

LH: 1, 7

RH: 3, 2

Major 7th #11

LH: 1, 5

RH: 7, 3, #4

Major 7th #11

LH: 1, 7

RH: 3, #4, 7, 2

Major 13th

LH: 1, 8

RH: 7, 3, 5, 6

## Minor Sevenths

Minor 7th  
LH: 1, 5  
RH: b7, 1, b3, 5

Minor 7th  
LH: 1, b7  
RH: b3, 5, 1

Minor 9th  
LH: 1, 5  
RH: b7, 2, b3, 5

Minor 9th  
LH: 1, 5  
RH: 2, b3, b7

Minor 11th  
LH: 1, 5  
RH: 2, b3, 4, b7

Minor 11th  
LH: 1, b7  
RH: b3, 4, 5, 1

Minor 13th  
LH: 1, 5  
RH: 6, b7, 2, b3

Minor 13th  
LH: 1, 5  
RH: b7, b3, 6

## Dominant Sevenths

Dominant 7th

LH: 1, 5

RH: 3, 5, b7, 1

Dominant 7th

LH: 1, b7

RH: 5, b7, 1, 3

Dominant 9th

LH: 1, 5

RH: 3, b7, 2

Dominant 9th

LH: 1, 8

RH: 2, 3, b7

Dominant 7th, b9

LH: 1, 5

RH: 3, b7, b2

Dominant 11th

LH: 1, 5

RH: 3, 4, b7

Dominant 13th

LH: 1, 5

RH: b7, 3, 6

Augmented 7th, #9

LH: 1, 8

RH: 3, #5, b7, #2

# Improvising

---

Use the formula to derive notes from the root's major scale.

**Blues Scale** - for major or minor triads, dominant 7ths, and minor 7ths  
1, b3, 4, #4, 5, b7

**Abbreviated Major** - for major triads  
1, 2, 3, 4, 5

**Abbreviated Minor** - for minor triads  
1, 2, b3, 4, 5

**Lydian** - for major 7ths  
1, 2, 3, #4, 5, 6, 7

**Dorian** - for minor 7ths  
1, 2, b3, 4, 5, 6, b7

**Abbreviated Major** - for major 7ths  
5, 6, 7, 1, 2

**Abbreviated Major** - for minor 7ths  
b7, 1, 2, b3, 4

Pro Tip:

On minor vamps, outline root chord (tonic) minor, scale degree 4 (subdominant) chord major, and/or scale degree 5 (dominant) chord major.

## Videos

---

[Modal Interchange/Mixture](#)

[Pitch Bend and Mod Wheel](#)

[Jordan Rudess, Pitch Bend Tutorial](#)

[Pitch Bend Tutorial](#)

[Cory Henry solo on Lingus, Snarky Puppy](#)

[Seaboard RISE](#)

[Touche](#)

[How to Write Better Bass Lines](#)

## Recommended Literature

---

[Deluxe Encyclopedia of Piano Chords](#)

[Preparatory Exercises for the Piano](#)

[Essential Finger Exercises](#)