

Scales and chords

... in all keys

illustrated by

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Scales

Chromatic	C	C#	D	D#	E	F	F#	G	G#	A	A#	B	C
Major	C	D	E	F	G	A	B	C					
Minor	C	D	D#	F	G	G#	A#	C					
Harmonic minor	C	D	D#	F	G	G#	B	C					
Melodic minor ascending	C	D	D#	F	G	A	B	C					
Melodic minor descending	C	D	D#	F	G	G#	A#	C					
Dorian mode	C	D	D#	F	G	A	A#	C	D: G	F: C			
Hypo-dorian mode (Minor)	C	D	D#	F	G	G#	A#	C	D: G#	F: F			
Phrygian mode	C	C#	D#	F	G	G#	A#	C	D: G#	F: C			
Hypo-phrygian mode	C	C#	D#	F	F#	G#	A#	C	D: A#	F: F			
Lydian mode	C	D	E	F#	G	A	B	C	D: G	F: C			
Hypo-lydian mode (Major)	C	D	E	F	G	A	B	C	D: A	F: F			
Mixolydian mode	C	D	E	F	G	A	A#	C	D: G	F: C			
Hypo-mixolydian mode	C	D	D#	F	G	A	A#	C	D: A#	F: F			
Ionian mode (Major)	C	D	E	F	G	A	B	C	D: G	F: C			
Hypo-ionian mode	C	D	E	F	G	A	A#	C	D: A	F: F			
Eolian mode (Minor)	C	D	D#	F	G	G#	A#	C	D: G	F: C			
Hypo-eolian mode	C	C#	D#	F	G	G#	A#	C	D: G#	F: F			
Pentatonic blues / rock	C	D#	F	G	A#	C							
Blues	C	D#	F	F#	G	A#	C						
Moll-dur	C	D	E	F	G	G#	B	C					
Gypsy one	C	D	D#	F#	G	G#	B	C					
Gypsy two	C	C#	E	F	G	G#	B	C					
Gypsy three	C	C#	E	F	F#	A	A#	C					
Whole note	C	D	E	F#	G#	A#	C						
Octatonic one	C	D	D#	F	F#	G#	A	B	C				
Octatonic two	C	C#	D#	E	F#	G	A	A#	C				

Chromatic	C# D D# E F F# G G# A A# B C C#		
Major	C# D# F F# G# A# C C#		
Minor	C# D# E F# G# A B C#		
Harmonic minor	C# D# E F# G# A C C#		
Melodic minor ascending	C# D# E F# G# A# C C#		
Melodic minor descending	C# D# E F# G# A B C#		
Dorian mode	C# D# E F# G# A# B C#	D: G#	F: C#
Hypo-dorian mode (Minor)	C# D# E F# G# A B C#	D: A	F: F#
Phrygian mode	C# D E F# G# A B C#	D: A	F: C#
Hypo-phrygian mode	C# D E F# G A B C#	D: B	F: F#
Lydian mode	C# D# F G G# A# C C#	D: G#	F: C#
Hypo-lydian mode (Major)	C# D# F F# G# A# C C#	D: A#	F: F#
Mixolydian mode	C# D# F F# G# A# B C#	D: G#	F: C#
Hypo-mixolydian mode	C# D# E F# G# A# B C#	D: B	F: F#
Ionian mode (Major)	C# D# F F# G# A# C C#	D: G#	F: C#
Hypo-ionian mode	C# D# F F# G# A# B C#	D: A#	F: F#
Eolian mode (Minor)	C# D# E F# G# A B C#	D: G#	F: C#
Hypo-eolian mode	C# D E F# G# A B C#	D: A	F: F#
Pentatonic blues / rock	C# E F# G# B C#		
Blues	C# E F# G G# B C#		
Moll-dur	C# D# F F# G# A C C#		
Gypsy one	C# D# E G G# A C C#		
Gypsy two	C# D F F# G# A C C#		
Gypsy three	C# D F F# G A# B C#		
Whole note	C# D# F G A B C#		
Octatonic one	C# D# E F# G A A# C C#		
Octatonic two	C# D E F G G# A# B C#		

Chromatic	D D# E F F# G G# A A# B C C# D		
Major	D E F# G A B C# D		
Minor	D E F G A A# C D		
Harmonic minor	D E F G A A# C# D		
Melodic minor ascending	D E F G A B C# D		
Melodic minor descending	D E F G A A# C D		
Dorian mode	D E F G A B C D	D: A	F: D
Hypo-dorian mode (Minor)	D E F G A A# C D	D: A#	F: G
Phrygian mode	D D# F G A A# C D	D: A#	F: D
Hypo-phrygian mode	D D# F G G# A# C D	D: C	F: G
Lydian mode	D E F# G# A B C# D	D: A	F: D
Hypo-lydian mode (Major)	D E F# G A B C# D	D: B	F: G
Mixolydian mode	D E F# G A B C D	D: A	F: D
Hypo-mixolydian mode	D E F G A B C D	D: C	F: G
Ionian mode (Major)	D E F# G A B C# D	D: A	F: D
Hypo-ionian mode	D E F# G A B C D	D: B	F: G
Eolian mode (Minor)	D E F G A A# C D	D: A	F: D
Hypo-eolian mode	D D# F G A A# C D	D: A#	F: G
Pentatonic blues / rock	D F G A C D		
Blues	D F G G# A C D		
Moll-dur	D E F# G A A# C# D		
Gypsy one	D E F G# A A# C# D		
Gypsy two	D D# F# G A A# C# D		
Gypsy three	D D# F# G G# B C D		
Whole note	D E F# G# A# C D		
Octatonic one	D E F G G# A# B C# D		
Octatonic two	D D# F F# G# A B C D		

Chromatic	D# E F F# G G# A A# B C C# D D#
Major	D# F G G# A# C D D#
Minor	D# F F# G# A# B C# D#
Harmonic minor	D# F F# G# A# B D D#
Melodic minor ascending	D# F F# G# A# C D D#
Melodic minor descending	D# F F# G# A# B C# D#
Dorian mode	D# F F# G# A# C C# D# D: A# F: D#
Hypo-dorian mode (Minor)	D# F F# G# A# B C# D# D: B F: G#
Phrygian mode	D# E F# G# A# B C# D# D: B F: D#
Hypo-phrygian mode	D# E F# G# A B C# D# D: C# F: G#
Lydian mode	D# F G A A# C D D# D: A# F: D#
Hypo-lydian mode (Major)	D# F G G# A# C D D# D: C F: G#
Mixolydian mode	D# F G G# A# C C# D# D: A# F: D#
Hypo-mixolydian mode	D# F F# G# A# C C# D# D: C# F: G#
Ionian mode (Major)	D# F G G# A# C D D# D: A# F: D#
Hypo-ionian mode	D# F G G# A# C C# D# D: C F: G#
Eolian mode (Minor)	D# F F# G# A# B C# D# D: A# F: D#
Hypo-eolian mode	D# E F# G# A# B C# D# D: B F: G#
Pentatonic blues / rock	D# F# G# A# C# D#
Blues	D# F# G# A A# C# D#
Moll-dur	D# F G G# A# B D D#
Gypsy one	D# F F# A A# B D D#
Gypsy two	D# E G G# A# B D D#
Gypsy three	D# E G G# A C C# D#
Whole note	D# F G A B C# D#
Octatonic one	D# F F# G# A B C D D#
Octatonic two	D# E F# G A A# C C# D#

Chromatic	E F F# G G# A A# B C C# D D# E		
Major	E F# G# A B C# D# E		
Minor	E F# G A B C D E		
Harmonic minor	E F# G A B C D# E		
Melodic minor ascending	E F# G A B C# D# E		
Melodic minor descending	E F# G A B C D E		
Dorian mode	E F# G A B C# D E	D: B	F: E
Hypo-dorian mode (Minor)	E F# G A B C D E	D: C	F: A
Phrygian mode	E F G A B C D E	D: C	F: E
Hypo-phrygian mode	E F G A A# C D E	D: D	F: A
Lydian mode	E F# G# A# B C# D# E	D: B	F: E
Hypo-lydian mode (Major)	E F# G# A B C# D# E	D: C#	F: A
Mixolydian mode	E F# G# A B C# D E	D: B	F: E
Hypo-mixolydian mode	E F# G A B C# D E	D: D	F: A
Ionian mode (Major)	E F# G# A B C# D# E	D: B	F: E
Hypo-ionian mode	E F# G# A B C# D E	D: C#	F: A
Eolian mode (Minor)	E F# G A B C D E	D: B	F: E
Hypo-eolian mode	E F G A B C D E	D: C	F: A
Pentatonic blues / rock	E G A B D E		
Blues	E G A A# B D E		
Moll-dur	E F# G# A B C D# E		
Gypsy one	E F# G A# B C D# E		
Gypsy two	E F G# A B C D# E		
Gypsy three	E F G# A A# C# D E		
Whole note	E F# G# A# C D E		
Octatonic one	E F# G A A# C C# D# E		
Octatonic two	E F G G# A# B C# D E		

Chromatic	F F# G G# A A# B C C# D D# E F
Major	F G A A# C D E F
Minor	F G G# A# C C# D# F
Harmonic minor	F G G# A# C C# E F
Melodic minor ascending	F G G# A# C D E F
Melodic minor descending	F G G# A# C C# D# F
Dorian mode	F G G# A# C D D# F D: C F: F
Hypo-dorian mode (Minor)	F G G# A# C C# D# F D: C# F: A#
Phrygian mode	F F# G# A# C C# D# F D: C# F: F
Hypo-phrygian mode	F F# G# A# B C# D# F D: D# F: A#
Lydian mode	F G A B C D E F D: C F: F
Hypo-lydian mode (Major)	F G A A# C D E F D: D F: A#
Mixolydian mode	F G A A# C D D# F D: C F: F
Hypo-mixolydian mode	F G G# A# C D D# F D: D# F: A#
Ionian mode (Major)	F G A A# C D E F D: C F: F
Hypo-ionian mode	F G A A# C D D# F D: D F: A#
Eolian mode (Minor)	F G G# A# C C# D# F D: C F: F
Hypo-eolian mode	F F# G# A# C C# D# F D: C# F: A#
Pentatonic blues / rock	F G# A# C D# F
Blues	F G# A# B C D# F
Moll-dur	F G A A# C C# E F
Gypsy one	F G G# B C C# E F
Gypsy two	F F# A A# C C# E F
Gypsy three	F F# A A# B D D# F
Whole note	F G A B C# D# F
Octatonic one	F G G# A# B C# D E F
Octatonic two	F F# G# A B C D D# F

Chromatic	F# G G# A A# B C C# D D# E F F#		
Major	F# G# A# B C# D# F F#		
Minor	F# G# A B C# D E F#		
Harmonic minor	F# G# A B C# D F F#		
Melodic minor ascending	F# G# A B C# D# F F#		
Melodic minor descending	F# G# A B C# D E F#		
Dorian mode	F# G# A B C# D# E F#	D: C#	F: F#
Hypo-dorian mode (Minor)	F# G# A B C# D E F#	D: D	F: B
Phrygian mode	F# G A B C# D E F#	D: D	F: F#
Hypo-phrygian mode	F# G A B C D E F#	D: E	F: B
Lydian mode	F# G# A# C C# D# F F#	D: C#	F: F#
Hypo-lydian mode (Major)	F# G# A# B C# D# F F#	D: D#	F: B
Mixolydian mode	F# G# A# B C# D# E F#	D: C#	F: F#
Hypo-mixolydian mode	F# G# A B C# D# E F#	D: E	F: B
Ionian mode (Major)	F# G# A# B C# D# F F#	D: C#	F: F#
Hypo-ionian mode	F# G# A# B C# D# E F#	D: D#	F: B
Eolian mode (Minor)	F# G# A B C# D E F#	D: C#	F: F#
Hypo-eolian mode	F# G A B C# D E F#	D: D	F: B
Pentatonic blues / rock	F# A B C# E F#		
Blues	F# A B C C# E F#		
Moll-dur	F# G# A# B C# D F F#		
Gypsy one	F# G# A C C# D F F#		
Gypsy two	F# G A# B C# D F F#		
Gypsy three	F# G A# B C D# E F#		
Whole note	F# G# A# C D E F#		
Octatonic one	F# G# A B C D D# F F#		
Octatonic two	F# G A A# C C# D# E F#		

Chromatic	G G# A A# B C C# D D# E F F# G		
Major	G A B C D E F# G		
Minor	G A A# C D D# F G		
Harmonic minor	G A A# C D D# F# G		
Melodic minor ascending	G A A# C D E F# G		
Melodic minor descending	G A A# C D D# F G		
Dorian mode	G A A# C D E F G	D: D	F: G
Hypo-dorian mode (Minor)	G A A# C D D# F G	D: D#	F: C
Phrygian mode	G G# A# C D D# F G	D: D#	F: G
Hypo-phrygian mode	G G# A# C C# D# F G	D: F	F: C
Lydian mode	G A B C# D E F# G	D: D	F: G
Hypo-lydian mode (Major)	G A B C D E F# G	D: E	F: C
Mixolydian mode	G A B C D E F G	D: D	F: G
Hypo-mixolydian mode	G A A# C D E F G	D: F	F: C
Ionian mode (Major)	G A B C D E F# G	D: D	F: G
Hypo-ionian mode	G A B C D E F G	D: E	F: C
Eolian mode (Minor)	G A A# C D D# F G	D: D	F: G
Hypo-eolian mode	G G# A# C D D# F G	D: D#	F: C
Pentatonic blues / rock	G A# C D F G		
Blues	G A# C C# D F G		
Moll-dur	G A B C D D# F# G		
Gypsy one	G A A# C# D D# F# G		
Gypsy two	G G# B C D D# F# G		
Gypsy three	G G# B C C# E F G		
Whole note	G A B C# D# F G		
Octatonic one	G A A# C C# D# E F# G		
Octatonic two	G G# A# B C# D E F G		

Chromatic	G# A A# B C C# D D# E F F# G G#
Major	G# A# C C# D# F G G#
Minor	G# A# B C# D# E F# G#
Harmonic minor	G# A# B C# D# E G G#
Melodic minor ascending	G# A# B C# D# F G G#
Melodic minor descending	G# A# B C# D# E F# G#
Dorian mode	G# A# B C# D# F F# G# D: D# F: G#
Hypo-dorian mode (Minor)	G# A# B C# D# E F# G# D: E F: C#
Phrygian mode	G# A B C# D# E F# G# D: E F: G#
Hypo-phrygian mode	G# A B C# D E F# G# D: F# F: C#
Lydian mode	G# A# C D D# F G G# D: D# F: G#
Hypo-lydian mode (Major)	G# A# C C# D# F G G# D: F F: C#
Mixolydian mode	G# A# C C# D# F F# G# D: D# F: G#
Hypo-mixolydian mode	G# A# B C# D# F F# G# D: F# F: C#
Ionian mode (Major)	G# A# C C# D# F G G# D: D# F: G#
Hypo-ionian mode	G# A# C C# D# F F# G# D: F F: C#
Eolian mode (Minor)	G# A# B C# D# E F# G# D: D# F: G#
Hypo-eolian mode	G# A B C# D# E F# G# D: E F: C#
Pentatonic blues / rock	G# B C# D# F# G#
Blues	G# B C# D D# F# G#
Moll-dur	G# A# C C# D# E G G#
Gypsy one	G# A# B D D# E G G#
Gypsy two	G# A C C# D# E G G#
Gypsy three	G# A C C# D F F# G#
Whole note	G# A# C D E F# G#
Octatonic one	G# A# B C# D E F G G#
Octatonic two	G# A B C D D# F F# G#

Chromatic	A	A#	B	C	C#	D	D#	E	F	F#	G	G#	A
Major	A	B	C#	D	E	F#	G#	A					
Minor	A	B	C	D	E	F	G	A					
Harmonic minor	A	B	C	D	E	F	G#	A					
Melodic minor ascending	A	B	C	D	E	F#	G#	A					
Melodic minor descending	A	B	C	D	E	F	G	A					
Dorian mode	A	B	C	D	E	F#	G	A	D:	E	F:	A	
Hypo-dorian mode (Minor)	A	B	C	D	E	F	G	A	D:	F	F:	D	
Phrygian mode	A	A#	C	D	E	F	G	A	D:	F	F:	A	
Hypo-phrygian mode	A	A#	C	D	D#	F	G	A	D:	G	F:	D	
Lydian mode	A	B	C#	D#	E	F#	G#	A	D:	E	F:	A	
Hypo-lydian mode (Major)	A	B	C#	D	E	F#	G#	A	D:	F#	F:	D	
Mixolydian mode	A	B	C#	D	E	F#	G	A	D:	E	F:	A	
Hypo-mixolydian mode	A	B	C	D	E	F#	G	A	D:	G	F:	D	
Ionian mode (Major)	A	B	C#	D	E	F#	G#	A	D:	E	F:	A	
Hypo-ionian mode	A	B	C#	D	E	F#	G	A	D:	F#	F:	D	
Eolian mode (Minor)	A	B	C	D	E	F	G	A	D:	E	F:	A	
Hypo-eolian mode	A	A#	C	D	E	F	G	A	D:	F	F:	D	
Pentatonic blues / rock	A	C	D	E	G	A							
Blues	A	C	D	D#	E	G	A						
Moll-dur	A	B	C#	D	E	F	G#	A					
Gypsy one	A	B	C	D#	E	F	G#	A					
Gypsy two	A	A#	C#	D	E	F	G#	A					
Gypsy three	A	A#	C#	D	D#	F#	G	A					
Whole note	A	B	C#	D#	F	G	A						
Octatonic one	A	B	C	D	D#	F	F#	G#	A				
Octatonic two	A	A#	C	C#	D#	E	F#	G	A				

Chromatic	A# B C C# D D# E F F# G G# A A#		
Major	A# C D D# F G A A#		
Minor	A# C C# D# F F# G# A#		
Harmonic minor	A# C C# D# F F# A A#		
Melodic minor ascending	A# C C# D# F G A A#		
Melodic minor descending	A# C C# D# F F# G# A#		
Dorian mode	A# C C# D# F G G# A#	D: F	F: A#
Hypo-dorian mode (Minor)	A# C C# D# F F# G# A#	D: F#	F: D#
Phrygian mode	A# B C# D# F F# G# A#	D: F#	F: A#
Hypo-phrygian mode	A# B C# D# E F# G# A#	D: G#	F: D#
Lydian mode	A# C D E F G A A#	D: F	F: A#
Hypo-lydian mode (Major)	A# C D D# F G A A#	D: G	F: D#
Mixolydian mode	A# C D D# F G G# A#	D: F	F: A#
Hypo-mixolydian mode	A# C C# D# F G G# A#	D: G#	F: D#
Ionian mode (Major)	A# C D D# F G A A#	D: F	F: A#
Hypo-ionian mode	A# C D D# F G G# A#	D: G	F: D#
Eolian mode (Minor)	A# C C# D# F F# G# A#	D: F	F: A#
Hypo-eolian mode	A# B C# D# F F# G# A#	D: F#	F: D#
Pentatonic blues / rock	A# C# D# F G# A#		
Blues	A# C# D# E F G# A#		
Moll-dur	A# C D D# F F# A A#		
Gypsy one	A# C C# E F F# A A#		
Gypsy two	A# B D D# F F# A A#		
Gypsy three	A# B D D# E G G# A#		
Whole note	A# C D E F# G# A#		
Octatonic one	A# C C# D# E F# G A A#		
Octatonic two	A# B C# D E F G G# A#		

Chromatic	B C C# D D# E F F# G G# A A# B		
Major	B C# D# E F# G# A# B		
Minor	B C# D E F# G A B		
Harmonic minor	B C# D E F# G A# B		
Melodic minor ascending	B C# D E F# G# A# B		
Melodic minor descending	B C# D E F# G A B		
Dorian mode	B C# D E F# G# A B	D: F#	F: B
Hypo-dorian mode (Minor)	B C# D E F# G A B	D: G	F: E
Phrygian mode	B C D E F# G A B	D: G	F: B
Hypo-phrygian mode	B C D E F G A B	D: A	F: E
Lydian mode	B C# D# F F# G# A# B	D: F#	F: B
Hypo-lydian mode (Major)	B C# D# E F# G# A# B	D: G#	F: E
Mixolydian mode	B C# D# E F# G# A B	D: F#	F: B
Hypo-mixolydian mode	B C# D E F# G# A B	D: A	F: E
Ionian mode (Major)	B C# D# E F# G# A# B	D: F#	F: B
Hypo-ionian mode	B C# D# E F# G# A B	D: G#	F: E
Eolian mode (Minor)	B C# D E F# G A B	D: F#	F: B
Hypo-eolian mode	B C D E F# G A B	D: G	F: E
Pentatonic blues / rock	B D E F# A B		
Blues	B D E F F# A B		
Moll-dur	B C# D# E F# G A# B		
Gypsy one	B C# D F F# G A# B		
Gypsy two	B C D# E F# G A# B		
Gypsy three	B C D# E F G# A B		
Whole note	B C# D# F G A B		
Octatonic one	B C# D E F G G# A# B		
Octatonic two	B C D D# F F# G# A B		

Major chords

Major I	C	E	G	B	D
Major ii	D	F	A	C	E
Major iii	E	G	B	D	F
Major IV	F	A	C	E	G
Major V	G	B	D	F	A
Major vi	A	C	E	G	B
Major viii	B	D	F	A	C

Major I	E	G#	B	D#	F#
Major ii	F#	A	C#	E	G#
Major iii	G#	B	D#	F#	A
Major IV	A	C#	E	G#	B
Major V	B	D#	F#	A	C#
Major vi	C#	E	G#	B	D#
Major viii	D#	F#	A	C#	E

Major I	C#	F	G#	C	D#
Major ii	D#	F#	A#	C#	F
Major iii	F	G#	C	D#	F#
Major IV	F#	A#	C#	F	G#
Major V	G#	C	D#	F#	A#
Major vi	A#	C#	F	G#	C
Major viii	C	D#	F#	A#	C#

Major I	F	A	C	E	G
Major ii	G	A#	D	F	A
Major iii	A	C	E	G	A#
Major IV	A#	D	F	A	C
Major V	C	E	G	A#	D
Major vi	D	F	A	C	E
Major viii	E	G	A#	D	F

Major I	D	F#	A	C#	E
Major ii	E	G	B	D	F#
Major iii	F#	A	C#	E	G
Major IV	G	B	D	F#	A
Major V	A	C#	E	G	B
Major vi	B	D	F#	A	C#
Major viii	C#	E	G	B	D

Major I	F#	A#	C#	F	G#
Major ii	G#	B	D#	F#	A#
Major iii	A#	C#	F	G#	B
Major IV	B	D#	F#	A#	C#
Major V	C#	F	G#	B	D#
Major vi	D#	F#	A#	C#	F
Major viii	F	G#	B	D#	F#

Major I	D#	G	A#	D	F
Major ii	F	G#	C	D#	G
Major iii	G	A#	D	F	G#
Major IV	G#	C	D#	G	A#
Major V	A#	D	F	G#	C
Major vi	C	D#	G	A#	D
Major viii	D	F	G#	C	D#

Major I	G	B	D	F#	A
Major ii	A	C	E	G	B
Major iii	B	D	F#	A	C
Major IV	C	E	G	B	D
Major V	D	F#	A	C	E
Major vi	E	G	B	D	F#
Major viii	F#	A	C	E	G

Major I	G#	C	D#	G	A#
Major ii	A#	C#	F	G#	C
Major iii	C	D#	G	A#	C#
Major IV	C#	F	G#	C	D#
Major V	D#	G	A#	C#	F
Major vi	F	G#	C	D#	G
Major viii	G	A#	C#	F	G#

Major I	A	C#	E	G#	B
Major ii	B	D	F#	A	C#
Major iii	C#	E	G#	B	D
Major IV	D	F#	A	C#	E
Major V	E	G#	B	D	F#
Major vi	F#	A	C#	E	G#
Major viii	G#	B	D	F#	A

Major I	A#	D	F	A	C
Major ii	C	D#	G	A#	D
Major iii	D	F	A	C	D#
Major IV	D#	G	A#	D	F
Major V	F	A	C	D#	G
Major vi	G	A#	D	F	A
Major viii	A	C	D#	G	A#

Major I	B	D#	F#	A#	C#
Major ii	C#	E	G#	B	D#
Major iii	D#	F#	A#	C#	E
Major IV	E	G#	B	D#	F#
Major V	F#	A#	C#	E	G#
Major vi	G#	B	D#	F#	A#
Major viii	A#	C#	E	G#	B

Minor chords / Melodic minor descending chords

Minor i	C	D#	G	A#	D
Minor ii	D	F	G#	C	D#
Minor III	D#	G	A#	D	F
Minor iv	F	G#	C	D#	G
Minor v	G	A#	D	F	G#
Minor VI	G#	C	D#	G	A#
Minor VII	A#	D	F	G#	C

Minor i	E	G	B	D	F#
Minor ii	F#	A	C	E	G
Minor III	G	B	D	F#	A
Minor iv	A	C	E	G	B
Minor v	B	D	F#	A	C
Minor VI	C	E	G	B	D
Minor VII	D	F#	A	C	E

Minor i	C#	E	G#	B	D#
Minor ii	D#	F#	A	C#	E
Minor III	E	G#	B	D#	F#
Minor iv	F#	A	C#	E	G#
Minor v	G#	B	D#	F#	A
Minor VI	A	C#	E	G#	B
Minor VII	B	D#	F#	A	C#

Minor i	F	G#	C	D#	G
Minor ii	G	A#	C#	F	G#
Minor III	G#	C	D#	G	A#
Minor iv	A#	C#	F	G#	C
Minor v	C	D#	G	A#	C#
Minor VI	C#	F	G#	C	D#
Minor VII	D#	G	A#	C#	F

Minor i	D	F	A	C	E
Minor ii	E	G	A#	D	F
Minor III	F	A	C	E	G
Minor iv	G	A#	D	F	A
Minor v	A	C	E	G	A#
Minor VI	A#	D	F	A	C
Minor VII	C	E	G	A#	D

Minor i	F#	A	C#	E	G#
Minor ii	G#	B	D	F#	A
Minor III	A	C#	E	G#	B
Minor iv	B	D	F#	A	C#
Minor v	C#	E	G#	B	D
Minor VI	D	F#	A	C#	E
Minor VII	E	G#	B	D	F#

Minor i	D#	F#	A#	C#	F
Minor ii	F	G#	B	D#	F#
Minor III	F#	A#	C#	F	G#
Minor iv	G#	B	D#	F#	A#
Minor v	A#	C#	F	G#	B
Minor VI	B	D#	F#	A#	C#
Minor VII	C#	F	G#	B	D#

Minor i	G	A#	D	F	A
Minor ii	A	C	D#	G	A#
Minor III	A#	D	F	A	C
Minor iv	C	D#	G	A#	D
Minor v	D	F	A	C	D#
Minor VI	D#	G	A#	D	F
Minor VII	F	A	C	D#	G

Minor i	G#	B	D#	F#	A#
Minor ii	A#	C#	E	G#	B
Minor III	B	D#	F#	A#	C#
Minor iv	C#	E	G#	B	D#
Minor v	D#	F#	A#	C#	E
Minor VI	E	G#	B	D#	F#
Minor VII	F#	A#	C#	E	G#

Minor i	A	C	E	G	B
Minor ii	B	D	F	A	C
Minor III	C	E	G	B	D
Minor iv	D	F	A	C	E
Minor v	E	G	B	D	F
Minor VI	F	A	C	E	G
Minor VII	G	B	D	F	A

Minor i	A#	C#	F	G#	C
Minor ii	C	D#	F#	A#	C#
Minor III	C#	F	G#	C	D#
Minor iv	D#	F#	A#	C#	F
Minor v	F	G#	C	D#	F#
Minor VI	F#	A#	C#	F	G#
Minor VII	G#	C	D#	F#	A#

Minor i	B	D	F#	A	C#
Minor ii	C#	E	G	B	D
Minor III	D	F#	A	C#	E
Minor iv	E	G	B	D	F#
Minor v	F#	A	C#	E	G
Minor VI	G	B	D	F#	A
Minor VII	A	C#	E	G	B

Harmonic minor chords

Harm. minor i	C	D#	G	B	D	Harm. minor i	E	G	B	D#	F#
Harm. minor ii	D	F	G#	C	D#	Harm. minor ii	F#	A	C	E	G
Harm. minor III	D#	G	B	D	F	Harm. minor III	G	B	D#	F#	A
Harm. minor iv	F	G#	C	D#	G	Harm. minor iv	A	C	E	G	B
Harm. minor V	G	B	D	F	G#	Harm. minor V	B	D#	F#	A	C
Harm. minor VI	G#	C	D#	G	B	Harm. minor VI	C	E	G	B	D#
Harm. minor vii	B	D	F	G#	C	Harm. minor vii	D#	F#	A	C	E

Harm. minor i	C#	E	G#	C	D#	Harm. minor i	F	G#	C	E	G
Harm. minor ii	D#	F#	A	C#	E	Harm. minor ii	G	A#	C#	F	G#
Harm. minor III	E	G#	C	D#	F#	Harm. minor III	G#	C	E	G	A#
Harm. minor iv	F#	A	C#	E	G#	Harm. minor iv	A#	C#	F	G#	C
Harm. minor V	G#	C	D#	F#	A	Harm. minor V	C	E	G	A#	C#
Harm. minor VI	A	C#	E	G#	C	Harm. minor VI	C#	F	G#	C	E
Harm. minor vii	C	D#	F#	A	C#	Harm. minor vii	E	G	A#	C#	F

Harm. minor i	D	F	A	C#	E	Harm. minor i	F#	A	C#	F	G#
Harm. minor ii	E	G	A#	D	F	Harm. minor ii	G#	B	D	F#	A
Harm. minor III	F	A	C#	E	G	Harm. minor III	A	C#	F	G#	B
Harm. minor iv	G	A#	D	F	A	Harm. minor iv	B	D	F#	A	C#
Harm. minor V	A	C#	E	G	A#	Harm. minor V	C#	F	G#	B	D
Harm. minor VI	A#	D	F	A	C#	Harm. minor VI	D	F#	A	C#	F
Harm. minor vii	C#	E	G	A#	D	Harm. minor vii	F	G#	B	D	F#

Harm. minor i	D#	F#	A#	D	F	Harm. minor i	G	A#	D	F#	A
Harm. minor ii	F	G#	B	D#	F#	Harm. minor ii	A	C	D#	G	A#
Harm. minor III	F#	A#	D	F	G#	Harm. minor III	A#	D	F#	A	C
Harm. minor iv	G#	B	D#	F#	A#	Harm. minor iv	C	D#	G	A#	D
Harm. minor V	A#	D	F	G#	B	Harm. minor V	D	F#	A	C	D#
Harm. minor VI	B	D#	F#	A#	D	Harm. minor VI	D#	G	A#	D	F#
Harm. minor vii	D	F	G#	B	D#	Harm. minor vii	F#	A	C	D#	G

Harm. minor i	G#	B	D#	G	A#
Harm. minor ii	A#	C#	E	G#	B
Harm. minor III	B	D#	G	A#	C#
Harm. minor iv	C#	E	G#	B	D#
Harm. minor V	D#	G	A#	C#	E
Harm. minor VI	E	G#	B	D#	G
Harm. minor vii	G	A#	C#	E	G#

Harm. minor i	A	C	E	G#	B
Harm. minor ii	B	D	F	A	C
Harm. minor III	C	E	G#	B	D
Harm. minor iv	D	F	A	C	E
Harm. minor V	E	G#	B	D	F
Harm. minor VI	F	A	C	E	G#
Harm. minor vii	G#	B	D	F	A

Harm. minor i	A#	C#	F	A	C
Harm. minor ii	C	D#	F#	A#	C#
Harm. minor III	C#	F	A	C	D#
Harm. minor iv	D#	F#	A#	C#	F
Harm. minor V	F	A	C	D#	F#
Harm. minor VI	F#	A#	C#	F	A
Harm. minor vii	A	C	D#	F#	A#

Harm. minor i	B	D	F#	A#	C#
Harm. minor ii	C#	E	G	B	D
Harm. minor III	D	F#	A#	C#	E
Harm. minor iv	E	G	B	D	F#
Harm. minor V	F#	A#	C#	E	G
Harm. minor VI	G	B	D	F#	A#
Harm. minor vii	A#	C#	E	G	B

Melodic minor ascending chords

Mel. min. asc. i	C	D#	G	B	D	Mel. min. asc. i	E	G	B	D#	F#
Mel. min. asc. ii	D	F	A	C	D#	Mel. min. asc. ii	F#	A	C#	E	G
Mel. min. asc. III	D#	G	B	D	F	Mel. min. asc. III	G	B	D#	F#	A
Mel. min. asc. IV	F	A	C	D#	G	Mel. min. asc. IV	A	C#	E	G	B
Mel. min. asc. V	G	B	D	F	A	Mel. min. asc. V	B	D#	F#	A	C#
Mel. min. asc. vi	A	C	D#	G	B	Mel. min. asc. vi	C#	E	G	B	D#
Mel. min. asc. vii	B	D	F	A	C	Mel. min. asc. vii	D#	F#	A	C#	E
Mel. min. asc. i	C#	E	G#	C	D#	Mel. min. asc. i	F	G#	C	E	G
Mel. min. asc. ii	D#	F#	A#	C#	E	Mel. min. asc. ii	G	A#	D	F	G#
Mel. min. asc. III	E	G#	C	D#	F#	Mel. min. asc. III	G#	C	E	G	A#
Mel. min. asc. IV	F#	A#	C#	E	G#	Mel. min. asc. IV	A#	D	F	G#	C
Mel. min. asc. V	G#	C	D#	F#	A#	Mel. min. asc. V	C	E	G	A#	D
Mel. min. asc. vi	A#	C#	E	G#	C	Mel. min. asc. vi	D	F	G#	C	E
Mel. min. asc. vii	C	D#	F#	A#	C#	Mel. min. asc. vii	E	G	A#	D	F
Mel. min. asc. i	D	F	A	C#	E	Mel. min. asc. i	F#	A	C#	F	G#
Mel. min. asc. ii	E	G	B	D	F	Mel. min. asc. ii	G#	B	D#	F#	A
Mel. min. asc. III	F	A	C#	E	G	Mel. min. asc. III	A	C#	F	G#	B
Mel. min. asc. IV	G	B	D	F	A	Mel. min. asc. IV	B	D#	F#	A	C#
Mel. min. asc. V	A	C#	E	G	B	Mel. min. asc. V	C#	F	G#	B	D#
Mel. min. asc. vi	B	D	F	A	C#	Mel. min. asc. vi	D#	F#	A	C#	F
Mel. min. asc. vii	C#	E	G	B	D	Mel. min. asc. vii	F	G#	B	D#	F#
Mel. min. asc. i	D#	F#	A#	D	F	Mel. min. asc. i	G	A#	D	F#	A
Mel. min. asc. ii	F	G#	C	D#	F#	Mel. min. asc. ii	A	C	E	G	A#
Mel. min. asc. III	F#	A#	D	F	G#	Mel. min. asc. III	A#	D	F#	A	C
Mel. min. asc. IV	G#	C	D#	F#	A#	Mel. min. asc. IV	C	E	G	A#	D
Mel. min. asc. V	A#	D	F	G#	C	Mel. min. asc. V	D	F#	A	C	E
Mel. min. asc. vi	C	D#	F#	A#	D	Mel. min. asc. vi	E	G	A#	D	F#
Mel. min. asc. vii	D	F	G#	C	D#	Mel. min. asc. vii	F#	A	C	E	G

Mel. min. asc. i	G#	B	D#	G	A#
Mel. min. asc. ii	A#	C#	F	G#	B
Mel. min. asc. III	B	D#	G	A#	C#
Mel. min. asc. IV	C#	F	G#	B	D#
Mel. min. asc. V	D#	G	A#	C#	F
Mel. min. asc. vi	F	G#	B	D#	G
Mel. min. asc. vii	G	A#	C#	F	G#

Mel. min. asc. i	A	C	E	G#	B
Mel. min. asc. ii	B	D	F#	A	C
Mel. min. asc. III	C	E	G#	B	D
Mel. min. asc. IV	D	F#	A	C	E
Mel. min. asc. V	E	G#	B	D	F#
Mel. min. asc. vi	F#	A	C	E	G#
Mel. min. asc. vii	G#	B	D	F#	A

Mel. min. asc. i	A#	C#	F	A	C
Mel. min. asc. ii	C	D#	G	A#	C#
Mel. min. asc. III	C#	F	A	C	D#
Mel. min. asc. IV	D#	G	A#	C#	F
Mel. min. asc. V	F	A	C	D#	G
Mel. min. asc. vi	G	A#	C#	F	A
Mel. min. asc. vii	A	C	D#	G	A#

Mel. min. asc. i	B	D	F#	A#	C#
Mel. min. asc. ii	C#	E	G#	B	D
Mel. min. asc. III	D	F#	A#	C#	E
Mel. min. asc. IV	E	G#	B	D	F#
Mel. min. asc. V	F#	A#	C#	E	G#
Mel. min. asc. vi	G#	B	D	F#	A#
Mel. min. asc. vii	A#	C#	E	G#	B