

Select Note:

E

Note: Program does not check for correct enharmonic (i.e. F# vs. Gb).

CHROMATIC														
		R	b2	2	b3	3	4	b5	5	b6	6	b7	7	
		E	F	F#	G	G#	A	A#	B	C	C#	D	D#	
DIATONIC														
		1	2	3	4	5	6	7	Equivalent Major Scale	Scale Degrees		TRIAD	7th Chord	Extensions
1	Ionian	E	F#	G#	A	B	C#	D#	E	1 - 2 - 3 - 4 - 5 - 6 - 7		Maj	Maj 7	9 11 13
2	Dorian	E	F#	G	A	B	C#	D	D	1 - 2 - b3 - 4 - 5 - 6 - b7		Min	Min 7	9 11 13
3	Phrygian	E	F	G	A	B	C	D	C	1 - b2 - b3 - 4 - 5 - b6 - b7		Min	Min 7	b9 11 b13
4	Lydian	E	F#	G#	A#	B	C#	D#	B	1 - 2 - 3 - #4 - 5 - 6 - 7		Maj	Maj 7	9 #11 13
5	Mixolydian	E	F#	G#	A	B	C#	D	A	1 - 2 - 3 - 4 - 5 - 6 - b7		Maj	Dom 7	9 11 13
6	Aeolian	E	F#	G	A	B	C	D	G	1 - 2 - b3 - 4 - 5 - b6 - b7		Min	Min 7	9 11 b13
7	Locrian	E	F	G	A	A#	C	D	F	1 - b2 - b3 - 4 - b5 - b6 - b7		Dim	Dim 7	b9 11 b13
DIATONIC (7 Inversions)														
		1	2	3	4	5	6	7	Equivalent Major Scale	Scale Degrees		TRIAD	7th Chord	Extensions
1	Ionian	E	F#	G#	A	B	C#	D#	E	1 - 2 - 3 - 4 - 5 - 6 - 7		Maj	Maj 7	9 11 13
2	Dorian	F#	G#	A	B	C#	D#	E	E	1 - 2 - b3 - 4 - 5 - 6 - b7		Min	Min 7	9 11 13
3	Phrygian	G#	A	B	C#	D#	E	F#	E	1 - b2 - b3 - 4 - 5 - b6 - b7		Min	Min 7	b9 11 b13
4	Lydian	A	B	C#	D#	E	F#	G#	E	1 - 2 - 3 - #4 - 5 - 6 - 7		Maj	Maj 7	9 #11 13
5	Mixolydian	B	C#	D#	E	F#	G#	A	E	1 - 2 - 3 - 4 - 5 - 6 - b7		Maj	Dom 7	9 11 13
6	Aeolian	C#	D#	E	F#	G#	A	B	E	1 - 2 - b3 - 4 - 5 - b6 - b7		Min	Min 7	9 11 b13
7	Locrian	D#	E	F#	G#	A	B	C#	E	1 - b2 - b3 - 4 - b5 - b6 - b7		Dim	Dim 7	b9 11 b13
MELODIC MINOR														
		1	2	3	4	5	6	7	Equivalent MM Scale	Scale Degrees		TRIAD	7th Chord	Extensions
1	Melodic Minor	E	F#	G	A	B	C#	D#	E	1 - 2 - b3 - 4 - 5 - 6 - 7		Min	Min/Maj 7	9 11 13
2	Dorian b2	E	F	G	A	B	C#	D	D	1 - b2 - b3 - 4 - 5 - 6 - b7		Min	Min 7	b9 11 13
3	Lydian Augmented	E	F#	G#	A#	C	C#	D#	C#	1 - 2 - 3 - #4 - #5 - 6 - 7		Aug	Aug Maj 7	9 11 13
4	Lydian Dominant	E	F#	G#	A#	B	C#	D	B	1 - 2 - 3 - #4 - 5 - 6 - b7		Maj	Maj 7	9 #11 13
5	Mixolydian b6	E	F#	G#	A	B	C	D	A	1 - 2 - 3 - 4 - 5 - 6 - b7		Maj	Dom 7	9 11 13
6	Aeolian b5	E	F#	G	A	A#	C	D	G	1 - 2 - b3 - 4 - 5 - b6 - b7		Min	Min 7	9 11 b13
7	Super Locrian ("Altered Dominant")	E	F	G	G#	A#	C	D	F	1 - b2 - b3 - b4 - b5 - b6 - b7		Min	Min 7	b9/#9 #11 b13
MELODIC MINOR														
7 Inversions		1	2	3	4	5	6	7	Equivalent MM Scale	Scale Degrees		TRIAD	7th Chord	Extensions
1	Melodic Minor	E	F#	G	A	B	C#	D#	E	1 - 2 - b3 - 4 - 5 - 6 - 7		Min	Min/Maj 7	9 11 13
2	Dorian b2	F#	G	A	B	C#	D#	E	E	1 - b2 - b3 - 4 - 5 - 6 - b7		Min	Min 7	b9 11 13
3	Lydian Augmented	G	A	B	C#	D#	E	F#	E	1 - 2 - 3 - #4 - #5 - 6 - 7		Aug	Aug Maj 7	9 11 13
4	Lydian Dominant	A	B	C#	D#	E	F#	G	E	1 - 2 - 3 - #4 - 5 - 6 - b7		Maj	Maj 7	9 #11 13
5	Mixolydian b6	B	C#	D#	E	F#	G	A	E	1 - 2 - 3 - 4 - 5 - 6 - b7		Maj	Dom 7	9 11 13
6	Aeolian b5	C#	D#	E	F#	G	A	B	E	1 - 2 - b3 - 4 - 5 - b6 - b7		Min	Min 7	9 11 b13
7	Super Locrian	D#	E	F#	G	A	B	C#	E	1 - b2 - b3 - b4 - b5 - b6 - b7		Min	Min 7	b9/#9 #11 b13
HARMONIC MINOR														
		1	2	3	4	5	6	7	Equivalent Harm. Minor Scale	Scale Degrees		TRIAD	7th Chord	Extensions
1	Harmonic Minor	E	F#	G	A	B	C	D#	E	1 - 2 - b3 - 4 - 5 - b6 - 7		Min	Min/Maj 7	9 11 b13
2	Locrian #6	E	F	G	A	B	C#	D	D	1 - b2 - b3 - 4 - b5 - 6 - b7		Min	Min 7	b9 11 13
3	Ionian #5	E	F#	G#	A	C	C#	D#	C#	1 - 2 - 3 - 4 - #5 - 6 - 7		Aug	Aug Maj 7	9 11 13
4	Dorian #4	E	F#	G	A#	B	C#	D	B	1 - 2 - b3 - #4 - 5 - 6 - b7		Min	Dom 7	9 11 13
5	Mixolydian b2 b6 / Phry #3	E	F	G#	A	B	C	D	A	1 - b2 - 3 - 4 - 5 - b6 - b7		Maj	Dom 7	b9 11 b13
6	Lydian #2	E	G	G#	A	B	C#	D#	G#	1 - #2 - 3 - #4 - 5 - 6 - 7		Maj	Maj 7	#9 #11 13
7	Super Locrian bb7	E	F	G	G#	A#	C	C#	F	1 - b2 - b3 - b4 - b5 - b6 - bb7		Dim	Dim 6	b9 b11 b13
HARMONIC MINOR														
7 Inversions		1	2	3	4	5	6	7	Equivalent Harm. Minor Scale	Scale Degrees		TRIAD	7th Chord	Extensions
1	Harmonic Minor	E	F#	G	A	B	C	D#	E	1 - 2 - b3 - 4 - 5 - b6 - 7		Min	Min/Maj 7	9 11 b13
2	Locrian #6	F#	G	A	B	C	D#	E	E	1 - b2 - b3 - 4 - b5 - 6 - b7		Min	Min 7	b9 11 13
3	Ionian #5	G	A	B	C	D#	E	F#	E	1 - 2 - 3 - 4 - #5 - 6 - 7		Aug	Aug Maj 7	9 11 13
4	Dorian #4	A	B	C	D#	E	F#	G	E	1 - 2 - b3 - #4 - 5 - 6 - b7		Min	Dom 7	9 11 13
5	Mixolydian b2 b6 / Phry #3	B	C	D#	E	F#	G	A	E	1 - b2 - 3 - 4 - 5 - b6 - b7		Maj	Dom 7	b9 11 b13
6	Lydian #2	C	D#	E	F#	G	A	B	E	1 - #2 - 3 - #4 - 5 - 6 - 7		Maj	Maj 7	#9 #11 13
7	Super Locrian bb7	D#	E	F#	G	A	B	C	E	1 - b2 - b3 - b4 - b5 - b6 - bb7		Dim	Dim 6	b9 b11 b13
HARMONIC MAJOR														
		1	2	3	4	5	6	7	Equivalent Harm. Major Scale	Scale Degrees		TRIAD	7th Chord	Extensions
1	Harmonic Major	E	F#	G#	A	B	C	D#	E	1 - 2 - 3 - 4 - 5 - b6 - 7		Maj	Maj 7	9 11 b13
2	Dorian b5	E	F#	G	A	A#	C#	D	D	1 - 2 - b3 - 4 - b5 - 6 - b7		Dim	Dim 7	9 11 13
3	Phrygian b4	E	F	G	G#	B	C	D	C	1 - b2 - b3 - b4 - 5 - 6 - b7		Min	Min 7	b9 11 b13
4	Lydian b3	E	F#	G	A#	B	C#	D#	B	1 - 2 - b3 - #4 - 5 - 6 - 7		Min	Min/Maj 7	9 #11 13
5	Mixolydian b2	E	F	G#	A	B	C#	D	A	1 - b2 - 3 - 4 - 5 - 6 - b7		Maj	Dom 7	b9 11 13
6	Lydian Augmented #2	E	G	G#	A#	C	C#	D#	G#	1 - #2 - 3 - #4 - #5 - 6 - 7		Maj	Maj 7	#9 #11 13
7	Locrian #7	E	F	G	A	A#	C	D#	F	1 - b2 - b3 - 4 - b5 - b6 - 7		Dim	Dim 7	b9 11 #13
HARMONIC MAJOR														
7 Inversions		1	2	3	4	5	6	7	Equivalent Harm. Major Scale	Scale Degrees		TRIAD	7th Chord	Extensions
1	Harmonic Major	E	F#	G#	A	B	C	D#	E	1 - 2 - 3 - 4 - 5 - b6 - 7		Maj	Maj 7	9 11 b13
2	Dorian b5	F#	G#	A	B	C	D#	E	E	1 - 2 - b3 - 4 - b5 - 6 - b7		Dim	Dim 7	9 11 13

3 Phrygian b4	G#	A	B	C	D#	E	F#	E	1 - b2 - b3 - b4 - 5 - b6 -b7	Min	Min 7	b9	11	b13
4 Lydian b3	A	B	C	D#	E	F#	G#	E	1 - 2 - b3 - #4 - 5 - 6 - 7	Min	Min/Maj7	9	#11	13
5 Mixolydian b2	B	C	D#	E	F#	G#	A	E	1 - b2 - 3 - 4 - 5 - 6 -b7	Maj	Dom 7	b9	11	13
6 Lydian Augmented #2	C	D#	E	F#	G#	A	B	E	1 - #2 - 3 - #4 - #5 - 6 -7	Maj	Maj 7	#9	#11	13
7 Locrian #7	D#	E	F#	G#	A	B	C	E	1 - b2 - b3 - 4 - b5 - b6 -7	Dim	Dim 7	b9	11	#13

DOUBLE HARMONIC (Byzantine, Gypsy Major, Arabic)

	1	2	3	4	5	6	7	Equivalent Double Harmonic Scale	Scale Degrees	TRIAD	7th Chord	Extensions		
1 Double Harmonic Major	E	F	G#	A	B	C	D#	E	1 - b2 - 3 - 4 - 5 - b6 - 7	Min	Min/Maj7	b9	11	b13
2 Lydian #2 #6	E	G	G#	A#	B	D	D#	D#	1 - #2 - 3 - #4 - 5 - #6 - 7	Maj	Maj	#9	#11	13
3 Phrygian b4 bb7/ UltraPhrygian	E	F	G	G#	B	C	C#	C	1 - b2 - b3 - b4 - 5 - b6 - bb7	Min	Min 6	b9	b11	b13
4 Harmonic Minor #4 (Gypsy Minor)	E	F#	G	A#	B	C	D#	B	1 - 2 - b3 - #4 - 5 - b6 - 7	Min	Maj 7	9	#11	b13
5 Mixolydian b2 b5 / Oriental	E	F	G#	A	A#	C#	D	A	1 - b2 - 3 - 4 - b5 - 6 - b7	Maj	Dom 7	b9	11	13
6 Ionian Augmented #2	E	G	G#	A	C	C#	D#	G#	1 - #2 - 3 - 4 - #5 - 6 - 7	Maj	Maj 7	#9	11	13
7 Locrian bb3 bb7	E	F	F#	A	A#	C	C#	F	1 - b2 - bb3 - 4 - b5 - b6 - bb7	-	-	-	-	-

DOUBLE HARMONIC (Byzantine (Byzantine, Gypsy Major)

7 Inversions	1	2	3	4	5	6	7	Equivalent Double Harmonic Scale	Scale Degrees	TRIAD	7th Chord	Extensions		
1 Double Harmonic Major	E	F	G#	A	B	C	D#	E	1 - b2 - 3 - 4 - 5 - b6 - 7	Min	Min/Maj7	b9	11	b13
2 Lydian #2 #6	F	G#	A	B	C	D#	E	E	1 - #2 - 3 - #4 - 5 - #6 - 7	Maj	Maj	#9	#11	13
3 Phrygian b4 bb7/ UltraPhrygian	G#	A	B	C	D#	E	F	E	1 - b2 - b3 - b4 - 5 - b6 - bb7	Min	Min 6	b9	b11	b13
4 Harmonic Minor #4 (Gypsy Minor)	A	B	C	D#	E	F	G#	E	1 - 2 - b3 - #4 - 5 - b6 - 7	Min	Maj 7	9	#11	b13
5 Mixolydian b2 b5 / Oriental	B	C	D#	E	F	G#	A	E	1 - b2 - 3 - 4 - b5 - 6 - b7	Maj	Dom 7	b9	11	13
6 Ionian Augmented #2	C	D#	E	F	G#	A	B	E	1 - #2 - 3 - 4 - #5 - 6 - 7	Maj	Maj 7	#9	11	13
7 Locrian bb3 bb7	D#	E	F	G#	A	B	C	E	1 - b2 - bb3 - 4 - b5 - b6 - bb7	-	-	-	-	-

DIMINISHED

	1	2	3	4	5	6	7	8	Scale Degrees	TRIAD	7th Chord	Extensions		
1 Half Step / Whole Step	E	F	G	G#	A#	B	C#	D	1 - b2 - #2 - 3 - #4 -5 - 6 - b7	Maj	Dom 7	b9/#9	#11	13
2 Whole Step / Half Step	E	F#	G	A	A#	C	C#	D#	1 - 2 - b3 - 4 - b5 - b6 -6 -7	Dim	Dim 7	9	11	b13

WHOLE TONE

	1	2	3	4	5	6	Scale Degrees	TRIAD	7th Chord	Extensions		
1 Whole Tone	E	F#	G#	A#	C	D	1 - 2 - 3 - #4 -#5 - b7	Aug	Aug 7	9	#11	

PENTATONIC

	1	2	3	4	5	Equivalent Major Pentatonic	Equivalent Minor Pentatonic	Scale Degrees	TRIAD	Chord
1 Minor (Min7)	E	G	A	B	D	G	E	1 - b3 - 4 - 5 -b7	Min	Min 7
2 Major (Maj 6)	E	F#	G#	B	C#	E	C#	1 - 2 - 3 - 5 - 6	Maj	Maj 6
3 Sus b7 (Egyptian)	E	F#	A	B	D	D	B	1-2-4-5-b7	-	-
4 Blues Minor (Min b6)	E	G	A	C	D	C	A	1 - b3- 4 - b6-b7	Min	Aug 7
5 Sus 6 (Japanese)	E	F#	A	B	C#	A	F#	1 -2 - 4 - 5 - 6	-	-

PENTATONIC (5 Inversions)

	1	2	3	4	5	Equivalent Major Pentatonic	Equivalent Minor Pentatonic	Scale Degrees	TRIAD	Chord
1 Minor (Min7)	E	G	A	B	D	G	E	1 - b3 - 4 - 5 -b7	Min	Min 7
2 Major (Maj 6)	G	A	B	D	E	G	E	1 - 2 - 3 - 5 - 6	Maj	Maj 6
3 Sus b7 (Egyptian)	A	B	D	E	G	G	E	1-2-4-5-b7	Sus	Sus b7
4 Blues Minor (Min b6)	B	D	E	G	A	G	E	1 - b3- 4 - b6-b7	Min	Min 7
5 Sus 6 (Japanese)	D	E	G	A	B	G	E	1 -2 - 4 - 5 - 6	Sus	Sus 6

MELODIC MINOR PENTATONIC

	1	2	3	4	5	Equivalent Major Pentatonic	Equivalent Minor Pentatonic	Scale Degrees	TRIAD	Chord
1 Melodic Minor (Min 6)	E	F#	G	B	C#	G	E	1 - 2 - b3 - 5 - 6	Min	Min 6
2 Phrygian Dom (Dom7 b9)	E	F	A	B	D	F	D	1 - b2 - 4 - 5 -b7	Sus	Sus 7
3 Lydian (Maj 6)	E	G#	A#	C#	D#	E	C#	1 - 3 - #4 - 6 - 7	Maj	Maj 7
4 Sus b6 ("Maj b6)	E	F#	A	B	C	C	A	1 - 2 - 4 - 5 - b6	Sus	Sus b6
5 Locrian (Min7b5)	E	G	A	A#	D	A#	G	1 -b3 - 4 -b5 -b7	Dim	Dim 7

MELODIC MINOR PENTATONIC

(5 Inversions)	1	2	3	4	5	Equivalent Major Pentatonic	Equivalent Minor Pentatonic	Scale Degrees	TRIAD	Chord
1 Melodic Minor (Min 6)	E	F#	G	B	C#	G	E	1 - 2 - b3 - 5 - 6	Min	Min 6
2 Phrygian Dom (Dom7 b9)	F#	G	B	C#	E	G	E	1 - b2 - 4 - 5 -b7	Sus	Sus 7
3 Lydian (Maj 6)	G	B	C#	E	F#	G	E	1 - 3 - #4 - 6 - 7	Maj	Maj 7
4 Sus b6 ("Maj b6)	B	C#	E	F#	G	G	E	1 - 2 - 4 - 5 - b6	Sus	Sus b6
5 Locrian (Min7b5)	C#	E	F#	G	B	G	E	1 -b3 - 4 -b5 -b7	Dim	Dim 7