



UkeFarm

Universal Key

The chart below shows the relationship between the major scale (DO - RE - MI - FA - SO - LA - TI - DO), and the chromatic scale. which divides the octave into twelve half-steps. By using a number for each tone of the major scale (DO=1, RE=2, MI=3, etc.) a universal key of numbers is created, with which musical relationships learned in one key can easily be applied to all keys. For example, the C major scale (C-D-E-F-G-A-B-C) and the A major scale (A-B-C#-D-E-F#-G#-A) can be written as 1-2-3-4-5-6-7-1. Non-major tones can also be written as numbers (Eb in the key of A would be b5).

Tones which are second octave extentions are listed in parentheses. Equivalent tones in the first octave can be found easily by subtracting seven (Since 8 = 1, then 9 = 2, #11 = #4, etc.).

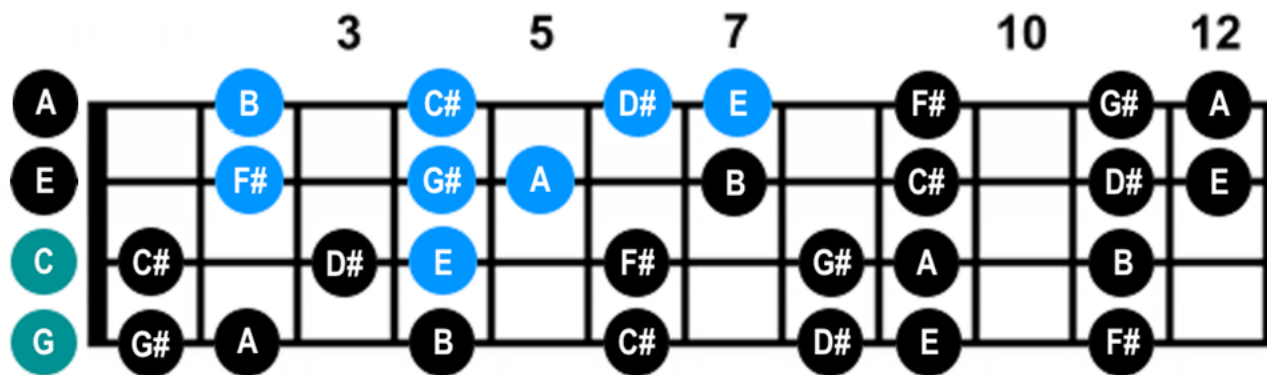
DO	-	RE	-	MI	FA	-	SO	-	LA	-	TI	DO
	(b9)	(9)	(#9)		(11)	(#11)			(13)			(8)
1	b2	2	#2	3	4	#4	5	#5	6	b7	7	1
			b3			b5		b6				
I		II		III	IV		V		VI		VII	I
A	-	B	-	C#	D	-	E	-	F#	-	G#	A



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E Scale

1	2	3	4	5	6	7	1
E	F#	G#	A	B	C#	D#	E
I	II	III	IV	V	VI	VII	I



Chord Group: E

	I	II	III	IV	V	VI	VII	V7
Major	E 	F#m 	G#m 	A 	B 	C#m 	D#dim7 	B7
Minor	C#m 	D#dim7 	E 	F#m 	G#m 	A 	B 	G#m7



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1	2	3	4	5	6	7	1
E	F#	G#	A	B	C#	D#	E
I	II	III	IV	V	VI	VII	I

Chord	Formula	Notes
E	1 - 3 - 5	E - G# - B
Em	1 - b3 - 5	E - G - B
E7	1 - 3 - 5 - b7	E - G# - B - D
Em7	1 - b3 - 5 - b7	E - G - B - D
E maj7	1 - 3 - 5 - 7	E - G# - B - D#
E aug	1 - 3 - #5	E - G# - C
E dim7	1 - b3 - b5 - bb7	E - G - Bb - Db
E7 sus	1 - 4 - 5 - b7	E - A - B - D
E sus2	1 - 2 - 5	E - F# - B
E sus4	1 - 4 - 5	E - A - B
E6	1 - 3 - 5 - 6	E - G# - B - C#
Em6	1 - b3 - 5 - 6	E - G - B - C#
E6/9	1 - 3 - 5 - 6 - 9	E - G# - B - C# - F#
E7b5	1 - 3 - b5 - b7	E - G# - Bb - D
Em7b5	1 - b3 - b5 - b7	E - G - Bb - D
E9	1 - 3 - 5 - b7 - 9	E - G# - B - D - F#
Em9	1 - b3 - 5 - b7 - 9	E - G - B - D - F#