

Deriving the Harmonized Major Scale

Chromatic Scale (Each note represents 1 fret)

A A# B C C# D D# E F F# G G# (repeats/circular)
 (Bb) (Db) (Eb) (Gb)

Maj Scale

 w w h w w w h

w = whole step = 2 frets
 h = half step = 1 fret

Apply w-h formula to the chromatic scale to generate the Maj scale for a specific key
 This works for each pitch so there are 12 keys/scales total (not including modes)

C Major scale

 C D E F G A B C

Chords are based off the idea of thirds

	<u>C Ma</u>	<u>D Mi</u>	<u>E Mi</u>	<u>F Ma</u>	<u>G Ma</u>	<u>A Mi</u>	<u>B dim</u>	<u>C Ma</u>
R	C	D	E	F	G	A	B	C
3rd	E	F	G	A	B	C	D	E
5th	G	A	B	C	D	E	F	G

Triad Quality Matrix			
	Ma	Mi	dim
R	R	R	R
3	3	b3	b3
5	5	5	b5

	<u>C Ma7</u>	<u>D Mi7</u>	<u>E Mi7</u>	<u>F Ma7</u>	<u>G Dom7</u>	<u>A Mi7</u>	<u>B Mi7b5</u>	<u>C Ma7</u>
R	C	D	E	F	G	A	B	C
3rd	E	F	G	A	B	C	D	E
5th	G	A	B	C	D	E	F	G
7th	B	C	D	E	F	G	A	B

7th chord Quality Matrix				
	Ma7	Mi7	Dom7	Mi7b5
R	R	R	R	R
3	3	b3	3	b3
5	5	5	5	b5
7	7	b7	b7	b7

Basic rule: Memorize two things to generate the chords for any key

1. wwhwwwh

2. Ma-mi-mi-Ma-Ma-mi-dim (or Ma7-mi7-mi7-Ma7-Dom7-mi7-mi7b5)