

# Building Major Scales from given Root [Root=R=1]

*Complete Inventories for a given tone*

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R	2	3	4	5	6	7	R
<b>C</b>	D	E	F	G	A	B	<b>C</b>
	<u>Db</u>	<u>D#/Eb</u>	<u>F#/Gb</u>	<u>G#/Ab</u>	<u>Bb</u>		
	b2	#2/b3	#4/b5	#5/b6	b7		
	b9	#9	#11	b13			

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R	2	3	4	5	6	7	R
<b>C#</b>	D#	E#	F#	G#	A#	B#	<b>C#</b>
	<u>D</u>	<u>Dx/E</u>	<u>Fx/G</u>	<u>Gx/A</u>	<u>B</u>		
	b2	#2/b3	#4/b5	#5/b6	b7		
	b9	#9	#11	b13			

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R	2	3	4	5	6	7	R
<b>Cb</b>	Db	Eb	Fb	Gb	Ab	Bb	<b>Cb</b>
	<u>Dbb</u>	<u>D/Ebb</u>	<u>F/Gbb</u>	<u>G/Abb</u>	<u>Bbb</u>		
	b2	#2/b3	#4/b5	#5/b6	b7		
	b9	#9	#11	b13			

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R	2	3	4	5	6	7	R
<b>G</b>	A	B	C	D	E	F#	<b>G</b>
	<u>Ab</u>	<u>A#/Bb</u>	<u>C#/Db</u>	<u>D#/Eb</u>	<u>F</u>		
	b2	#2/b3	#4/b5	#5/b6	b7		
	b9	#9	#11	b13			

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R	2	3	4	5	6	7	R
<b>Gb</b>	Ab	Bb	Cb	Db	Eb	F	<b>Gb</b>
	<u>Abb</u>	<u>A/Bbb</u>	<u>C/Dbb</u>	<u>D/Ebb</u>	<u>Fb</u>		
	b2	#2/b3	#4/b5	#5/b6	b7		
	b9	#9	#11	b13			

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R	2	3	4	5	6	7	R
<b>D</b>	E	F <sup>#</sup>	G	A	B	C <sup>#</sup>	<b>D</b>
<u>E<sup>b</sup></u>	<u>E<sup>#</sup>/F</u>		<u>G<sup>#</sup>/A<sup>b</sup></u>	<u>A<sup>#</sup>/B<sup>b</sup></u>	<u>C</u>		
b2	#2/b3		#4/b5	#5/b6	b7		
b9	#9		#11	b13			

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R	2	3	4	5	6	7	R
<b>D<sup>b</sup></b>	E <sup>b</sup>	F	G <sup>b</sup>	A <sup>b</sup>	B <sup>b</sup>	C	<b>D<sup>b</sup></b>
<u>E<sup>bb</sup></u>	<u>E/F<sup>b</sup></u>		<u>G/A<sup>bb</sup></u>	<u>A/B<sup>bb</sup></u>	<u>C<sup>b</sup></u>		
b2	#2/b3		#4/b5	#5/b6	b7		
b9	#9		#11	b13			

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R	2	3	4	5	6	7	R
<b>A</b>	B	C <sup>#</sup>	D	E	F <sup>#</sup>	G <sup>#</sup>	<b>A</b>
<u>B<sup>b</sup></u>	<u>B<sup>#</sup>/C</u>		<u>D<sup>#</sup>/E<sup>b</sup></u>	<u>E<sup>#</sup>/F</u>	<u>G</u>		
b2	#2/b3		#4/b5	#5/b6	b7		
b9	#9		#11	b13			

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R	2	3	4	5	6	7	R
<b>A<sup>b</sup></b>	B <sup>b</sup>	C	D <sup>b</sup>	E <sup>b</sup>	F	G	<b>A<sup>b</sup></b>
<u>B<sup>bb</sup></u>	<u>B/C<sup>b</sup></u>		<u>D/E<sup>bb</sup></u>	<u>E/F<sup>b</sup></u>	<u>F</u>	<u>G<sup>b</sup></u>	
b2	#2/b3		#4/b5	#5/b6	b7		
b9	#9		#11	b13			

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R		2		3		4		5		6		7	R
<b>E</b>		<b>F#</b>	<u><b>Fx/G</b></u>	<b>G#</b>		<b>A</b>	<u><b>A#/Bb</b></u>	<b>B</b>	<u><b>B#/C</b></u>	<b>C#</b>	<u><b>D</b></u>	<b>D#</b>	<b>E</b>
	<u>F</u>												
	b2		#2/b3			#4/b5		#5/b6			b7		
	b9		#9			#11		b13					

R		2		3		4		5		6		7	R
<b>E<sup>b</sup></b>		<b>F</b>	<u><b>F#/Gb</b></u>	<b>G</b>		<b>A<sup>b</sup></b>	<u><b>A/Bbb</b></u>	<b>B<sup>b</sup></b>	<u><b>B/C<sup>b</sup></b></u>	<b>C</b>	<u><b>D<sup>b</sup></b></u>	<b>D</b>	<b>E<sup>b</sup></b>
	<u>F<sup>b</sup></u>												
	b2		#2/b3			#4/b5		#5/b6			b7		
	b9		#9			#11		b13					

R		2		3		4		5		6		7	R
<b>B</b>		<b>C#</b>	<u><b>Cx/D</b></u>	<b>D#</b>		<b>E</b>	<u><b>E#/F</b></u>	<b>F#</b>	<u><b>Fx/G</b></u>	<b>G#</b>	<u><b>A</b></u>	<b>A#</b>	<b>B</b>
	<u>C</u>												
	b2		#2/b3			#4/b5		#5/b6			b7		
	b9		#9			#11		b13					

R		2		3		4		5		6		7	R
<b>B<sup>b</sup></b>		<b>C</b>	<u><b>C#/D<sup>b</sup></b></u>	<b>D</b>		<b>E<sup>b</sup></b>	<u><b>E/F<sup>b</sup></b></u>	<b>F</b>	<u><b>F#/G<sup>b</sup></b></u>	<b>G</b>	<u><b>A<sup>b</sup></b></u>	<b>A</b>	<b>B<sup>b</sup></b>
	<u>C<sup>b</sup></u>												
	b2		#2/b3			#4/b5		#5/b6			b7		
	b9		#9			#11		b13					

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R		2		3		4		5		6		7	R
F		G		A		B $\flat$		C		D		E	F
	<u>G<math>\flat</math></u>		<u>G<math>\sharp</math>/A<math>\flat</math></u>			<u>B/C<math>\flat</math></u>			<u>C<math>\sharp</math>/D<math>\flat</math></u>		<u>E<math>\flat</math></u>		
	$\flat$ 2		$\sharp$ 2/ $\flat$ 3			$\sharp$ 4/ $\flat$ 5			$\sharp$ 5/ $\flat$ 6		$\flat$ 7		
	$\flat$ 9		$\sharp$ 9			$\sharp$ 11			$\flat$ 13				

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R		2		3		4		5		6		7	R
F $\sharp$		G $\sharp$		A $\sharp$		B		C $\sharp$		D $\sharp$		E $\sharp$	F $\sharp$
	<u>G</u>		<u>G<math>\times</math>/A</u>			<u>B<math>\sharp</math>/C</u>			<u>C<math>\times</math>/D</u>		<u>E</u>		
	$\flat$ 2		$\sharp$ 2/ $\flat$ 3			$\sharp$ 4/ $\flat$ 5			$\sharp$ 5/ $\flat$ 6		$\flat$ 7		
	$\flat$ 9		$\sharp$ 9			$\sharp$ 11			$\flat$ 13				

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