

Pentatonic Scales

125 Modes

Degree	Scale												
I	1		2		3			5		6			1
II	1		2			4		5			b7		1
III	1			b3		4			#5		b7		1
V	1		2			4		5		6			1
VI	1			b3		4		5			b7		1

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For more documents on *Scales*, click here :
[Docs, Charts & Diagrams \[Google Drive\]](#)

25 Pentatonic scales / 125 modes

Classification (1)

Division into various groups

1. Basic Modes

8 scales (40 modes)

Scales												2 groups	4 groups				
A1	Major M7	1		2		3			5				7	1	Major	M7	
B1	Major m7	1		2		3		5			b7		1	Major		m7	
C1	Major M6	1		2		3		5		6			1			Major	M6
D1	Major m6	1		2		3		5	b6				1				Major
E1	Minor M7	1		2	b3			5				7	1		Minor		
F1	Minor m7	1		2	b3			5			b7		1	Minor			
G1	Minor M6	1		2	b3			5		6			1			Minor	
H1	Minor m6	1		2	b3			5	b6				1				Minor

2. Altered b2 Modes

6 scales (30 modes)

Scales												2 groups	4 groups				
B2	Major m7 b2	1	b2			3			5			b7		1	Major	m7	
C2	Major M6 b2	1	b2			3			5		6			1		Major	M6
D2	Major m6 b2	1	b2			3			5	b6				1			Major
F2	Minor m7 b2	1	b2			b3			5			b7		1	Minor		
G2	Minor M6 b2	1	b2			b3			5		6			1		Minor	
H2	Minor m6 b2	1	b2			b3			5	b6				1			Minor

3. Altered b5 Modes

2 scales (10 modes)

Scales												2 groups	4 groups			
B3	Major m7 b5	1		2		3		b5				b7		1	Major	m7
F3	Minor m7 b5	1		2	b3			b5				b7		1	Minor	m7

4. Altered b2 b5 Modes

6 scales (30 modes)

Scales												2 groups	4 groups				
B4	Major m7 b2 b5	1	b2			3		b5				b7		1	Major	m7	
C4	Major M6 b2 b5	1	b2			3		b5			6			1		Major	M6
D4	Major m6 b2 b5	1	b2			3		b5		b6				1			Major
F4	Minor m7 b2 b5	1	b2			b3		b5				b7		1	Minor		
G4	Minor M6 b2 b5	1	b2			b3		b5			6			1		Minor	
H4	Minor m6 b2 b5	1	b2			b3		b5		b6				1			Minor

5. Additional Modes

3 scales (15 modes)

Scales												2 groups	4 groups			
A5	Major m6 M7	1				3			5	b6			7	1	Major	M7
B5	Major m6 m7	1				3			5	b6		b7		1		Major
F5	Minor m6 M7	1			b3				5	b6			7	1	Minor	

25 Pentatonic scales / 125 modes

Classification (2)

Combination of Modes

Modes		
Major Modes Minor Modes	M7 Modes m7 Modes M6 Modes m6 Modes	Basic Modes Altered ♭2 Modes Altered ♭5 Modes Altered ♭2 ♭5 Modes Additional Modes

Ces 25 échelles pentatoniques génèrent 125 modes pentatoniques (25 x 5) ne comportant pas plus de 2 demi-tons consécutifs ni d'écart de plus de 4 demi-tons entre deux degrés. Le mode du 1er degré donne son nom à l'échelle.

Common notes

Basic Modes	2 5	
Altered ♭2 Modes	♭2 5	
Altered ♭5 Modes	2 ♭5	
Altered ♭2 ♭5 Modes	♭2 ♭5	
Major Modes	3	
Minor Modes	♭3	
M7 Modes	7	
m7 Modes	♭7	
M6 Modes	6	
m6 Modes	♭6	
Additional Modes	5 ♭6	No : ♭2 2

25 Pentatonic scales / 125 modes

1. Basic modes

Scale		Mode	Name
Major M7	1 2 3 5 7 1	A1 / I	Major M7
	1 2 4 6 b7 1	A1 / II	-
	1 b3 5 b6 b7 1	A1 / III	-
	1 3 4 5 6 1	A1 / V	-
	1 b2 b3 4 #5 1	A1 / VII	-
Major m7	1 2 3 5 b7 1	B1 / I	Major m7
	1 2 4 #5 b7 1	B1 / II	-
	1 b3 #4 #5 b7 1	B1 / III	-
	1 b3 4 5 6 1	B1 / V	-
	1 2 3 b5 6 1	B1 / bVII	-
Major M6	1 2 3 5 6 1	C1 / I	Major M6 / Gong (China) / Ryō (Japan)
	1 2 4 5 b7 1	C1 / II	Shang (China) / In asc. (Japan)
	1 b3 4 #5 b7 1	C1 / III	Jue (China)
	1 2 4 5 6 1	C1 / V	Zi (China) / Ritsu (Japan) / Bâc (Vietnam)
	1 b3 4 5 b7 1	C1 / VI	Yu (China) / Min-Yo (Japan) / Nam (Vietnam)
Major m6	1 2 3 5 b6 1	D1 / I	Major m6
	1 2 4 b5 b7 1	D1 / II	-
	1 #2 3 #5 b7 1	D1 / III	-
	1 b2 4 5 6 1	D1 / V	-
	1 3 #4 #5 7 1	D1 / bVI	-
Minor M7	1 2 b3 5 7 1	E1 / I	Minor M7
	1 b2 4 6 b7 1	E1 / II	-
	1 b3 5 #5 6 7 1	E1 / bIII	-
	1 b3 4 5 b6 1	E1 / V	-
	1 b2 b3 b4 #5 1	E1 / VII	-
Minor m7	1 2 b3 5 b7 1	F1 / I	Minor m7
	1 b2 4 #5 b7 1	F1 / II	-
	1 b3 5 6 7 1	F1 / bIII	-
	1 b3 4 5 b6 1	F1 / V	-
	1 2 b3 4 6 1	F1 / bVII	-
Minor M6	1 2 b3 5 6 1	G1 / I	Minor M6 / Kumōi (Japan)
	1 b2 4 5 b7 1	G1 / II	-
	1 b3 5 b6 7 1	G1 / bIII	-
	1 2 4 5 b6 1	G1 / V	-
	1 b3 4 b5 b7 1	G1 / VI	-
Minor m6	1 2 b3 5 b6 1	H1 / I	Minor m6 / Hirajoshi (Japan)
	1 b2 4 b5 b7 1	H1 / II	Iwato (Japan)
	1 b3 4 6 7 1	H1 / bIII	-
	1 b2 4 5 b6 1	H1 / V	In desc. (Japan)
	1 b3 4 #4 5 7 1	H1 / bVI	-

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2. Altered $\flat 2$ Modes

Scale		Mode	Name
Major $m7 \flat 2$	1 $\flat 2$ 3 5 $\flat 7$ 1	B2 / I	Major $m7 \flat 2$
	1 $\flat 3$ 5 \flat 6 7 1	B2 / \flat II	-
	1 $\flat 3$ #4 #5 6 1	B2 / III	-
	1 $\flat 3$ 4 5 \flat 6 1	B2 / V	-
	1 2 $\flat 3$ 5 \flat 6 1	B2 / \flat VII	-
Major M6 $\flat 2$	1 $\flat 2$ 3 5 6 1	C2 / I	Major M6 $\flat 2$
	1 $\flat 3$ #4 #5 7 1	C2 / \flat II	-
	1 $\flat 3$ 4 #5 6 1	C2 / III	-
	1 2 4 $\flat 5$ 6 1	C2 / V	-
	1 #2 3 5 $\flat 7$ 1	C2 / VI	-
Major $m6 \flat 2$	1 $\flat 2$ 3 5 $\flat 6$ 1	D2 / I	Major $m6 \flat 2$
	1 $\flat 3$ #4 5 7 1	D2 / \flat II	-
	1 #2 3 #5 6 1	D2 / \flat III	-
	1 $\flat 2$ 4 $\flat 5$ 6 1	D2 / V	-
	1 3 4 #5 7 1	D2 / \flat VI	-
Minor $m7 \flat 2$	1 $\flat 2$ $\flat 3$ 5 $\flat 7$ 1	F2 / I	Minor $m7 \flat 2$ / Pelog
	1 2 #4 5 6 7 1	F2 / \flat II	-
	1 3 5 6 $\flat 7$ 1	F2 / \flat III	-
	1 $\flat 3$ 4 $\flat 5$ $\flat 6$ 1	F2 / V	-
	1 2 $\flat 3$ 4 6 1	F2 / \flat VII	-
Minor M6 $\flat 2$	1 $\flat 2$ $\flat 3$ 5 6 1	G2 / I	Minor M6 $\flat 2$ / Balinese scale
	1 2 #4 #5 7 1	G2 / \flat II	-
	1 3 $\flat 5$ 6 $\flat 7$ 1	G2 / \flat III	-
	1 2 4 $\flat 5$ $\flat 6$ 1	G2 / V	-
	1 #2 3 $\flat 5$ 7 1	G2 / VI	-
Minor $m6 \flat 2$	1 $\flat 2$ $\flat 3$ 5 $\flat 6$ 1	H2 / I	Minor $m6 \flat 2$
	1 2 #4 5 7 1	H2 / \flat II	-
	1 3 4 6 $\flat 7$ 1	H2 / \flat III	-
	1 $\flat 2$ 4 $\flat 5$ $\flat 6$ 1	H2 / V	-
	1 3 4 5 7 1	H2 / \flat VI	-

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4. Altered $\flat 2 \flat 5$ Modes

		Scale										Mode	Name	
Major	m7 $\flat 2 \flat 5$	1	$\flat 2$		3		$\flat 5$			$\flat 7$	1	B4 / I	Major m7 $\flat 2 \flat 5$	
		1			$\flat 3$		4			6	7	1	B4 / \flat II	-
		1		2				$\#4$	$\#5$	6		1	B4 / III	-
		1			3			$\#4$	5		$\flat 7$	1	B4 / \flat V	-
		1		2	$\flat 3$			$\flat 5$	$\flat 6$			1	B4 / \flat VII	-
Major	M6 $\flat 2 \flat 5$	1	$\flat 2$		3		$\flat 5$		6		1	C4 / I	Major M6 $\flat 2 \flat 5$	
		1			$\flat 3$		4		$\#5$		7	1	C4 / \flat II	-
		1		2			4		$\#5$	6		1	C4 / III	-
		1			$\flat 3$			$\#4$	5		$\flat 7$	1	C4 / \flat V	-
		1			$\#2$	3		5		6		1	C4 / VI	-
Major	m6 $\flat 2 \flat 5$	1	$\flat 2$		3		$\flat 5$	$\flat 6$			1	D4 / I	Major m6 $\flat 2 \flat 5$	
		1			$\flat 3$		4	5			7	1	D4 / \flat II	-
		1		2		3			$\#5$	6		1	D4 / III	-
		1		2				$\#4$	5		$\flat 7$	1	D4 / \flat V	-
		1				3	4		$\#5$	$\flat 7$		1	D4 / \flat VI	-
Minor	m7 $\flat 2 \flat 5$	1	$\flat 2$		$\flat 3$		$\flat 5$			$\flat 7$	1	F4 / I	Minor m7 $\flat 2 \flat 5$	
		1		2			4			6	7	1	F4 / \flat II	-
		1			$\flat 3$			5		6	$\flat 7$	1	F4 / \flat III	-
		1				3		$\#4$	5	6		1	F4 / \flat V	Hirajoshi [Burrows] (Japan)
		1		2	$\flat 3$		4			$\flat 6$		1	F4 / \flat VII	-
Minor	M6 $\flat 2 \flat 5$	1	$\flat 2$		$\flat 3$		$\flat 5$		6		1	G4 / I	Minor M6 $\flat 2 \flat 5$	
		1		2			4		$\#5$		7	1	G4 / \flat II	-
		1			$\flat 3$			$\flat 5$		6	$\flat 7$	1	G4 / \flat III	-
		1			$\flat 3$			$\#4$	5	6		1	G4 / \flat V	-
		1			$\#2$	3		$\flat 5$		6		1	G4 / VI	-
Minor	m6 $\flat 2 \flat 5$	1	$\flat 2$		$\flat 3$		$\flat 5$	$\flat 6$			1	H4 / I	Minor m6 $\flat 2 \flat 5$	
		1		2			4	5			7	1	H4 / \flat II	-
		1			$\flat 3$		4			6	$\flat 7$	1	H4 / \flat III	-
		1		2				$\#4$	5	6		1	H4 / \flat V	-
		1				3	4		5		$\flat 7$	1	H4 / \flat VI	-

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3. Altered $\flat 5$ Modes

		Scale										Mode	Name			
Major	m7 $\flat 5$	1		2		3		$\flat 5$				$\flat 7$	1	B3 / I	Major m7 $\flat 5$	
		1		2		3					$\# 5$	$\flat 7$	1	B3 / II	-	
		1		2				$\# 4$		$\# 5$		$\flat 7$	1	B3 / III	-	
		1				3		$\# 4$		$\# 5$		$\flat 7$	1	B3 / $\flat V$	-	
		1		2		3		$\flat 5$		$\flat 6$			1	B3 / $\flat VII$	-	
Minor	m7 $\flat 5$	1		2	$\flat 3$			$\flat 5$				$\flat 7$	1	F3 / I	Minor m7 $\flat 5$	
		1	$\flat 2$			3				$\# 5$		$\flat 7$	1	F3 / II	-	
		1			$\flat 3$				5		6		7	1	F3 / $\flat III$	-
		1				3		$\# 4$		$\# 5$	6			1	F3 / $\flat V$	-
		1		2		3	4			$\# 5$				1	F3 / $\flat VII$	-

5. Additional Modes

		Scale										Mode	Name			
Major	m6 M7	1				3			5	$\flat 6$			7	1	A5 / I	Major m6 M7
		1			$\# 2$	3			5	$\flat 6$				1	A5 / III	-
		1	$\flat 2$			3	4				6			1	A5 / V	-
		1	$\flat 2$				4			$\# 5$	6			1	A5 / $\flat VI$	-
		1			$\# 2$	3				$\# 5$			7	1	A5 / VII	-
Major	m6 m7	1				3			5	$\flat 6$		$\flat 7$	1	B5 / I	Major m6 m7	
		1			$\# 2$	3		$\flat 5$		$\flat 6$			1	B5 / III	-	
		1	$\flat 2$		$\flat 3$		4				6			1	B5 / V	-
		1		2		3				$\# 5$			7	1	B5 / $\flat VI$	-
		1		2				$\flat 5$			6	$\flat 7$		1	B5 / VII	-
Minor	m6 M7	1			$\flat 3$				5	$\flat 6$			7	1	F5 / I	Minor m6 M7
		1				3	4			$\# 5$	6			1	F5 / $\flat III$	-
		1	$\flat 2$			3	4			$\# 5$				1	F5 / V	-
		1			$\# 2$	3			5				7	1	F5 / $\flat VI$	-
		1	$\flat 2$			3				$\# 5$	6			1	F5 / VII	-

Ces 125 modes pentatoniques ne comportent pas plus de 2 demi-tons consécutifs ni d'écarts de plus de 4 demi-tons entre deux degrés

25 Pentatonic scales / 125 modes

Structure (1)

1	b2	2	#2 b3	3	4	#4 b5	5	#5 b6	6	b7	7	1	Mode	Name
1	b2		b3	b4				#5				1	E1 / VII	-
1	b2		b3		4			#5				1	A1 / VII	-
1	b2		b3		4				6			1	B5 / V	-
1	b2		b3			b5		b6				1	H4 / I	Minor m6 b2 b5
1	b2		b3			b5			6			1	G4 / I	Minor M6 b2 b5
1	b2		b3			b5				b7		1	F4 / I	Minor m7 b2 b5
1	b2		b3				5	b6				1	H2 / I	Minor m6 b2
1	b2		b3				5		6			1	G2 / I	Minor M6 b2 / Balinese scale
1	b2		b3				5			b7		1	F2 / I	Minor m7 b2 / Pelog
1	b2			3	4			#5				1	F5 / V	-
1	b2			3	4				6			1	A5 / V	-
1	b2			3		b5		b6				1	D4 / I	Major m6 b2 b5
1	b2			3		b5			6			1	C4 / I	Major M6 b2 b5
1	b2			3		b5				b7		1	B4 / I	Major m7 b2 b5
1	b2			3			5	b6				1	D2 / I	Major m6 b2
1	b2			3			5		6			1	C2 / I	Major M6 b2
1	b2			3			5			b7		1	B2 / I	Major m7 b2
1	b2			3				#5	6			1	F5 / VII	-
1	b2			3				#5		b7		1	F3 / II	-
1	b2				4	b5		b6				1	H2 / V	-
1	b2				4	b5			6			1	D2 / V	-
1	b2				4	b5				b7		1	H1 / II	Iwato (Japan)
1	b2				4		5	b6				1	H1 / V	In desc. (Japan)
1	b2				4		5		6			1	D1 / V	-
1	b2				4		5			b7		1	G1 / II	-
1	b2				4			#5	6			1	A5 / bVI	-
1	b2				4				6	b7		1	E1 / II	-
1	b2				4			#5		b7		1	F1 / II	-
1		2	b3		4			b6				1	F4 / bVII	-
1		2	b3		4				6			1	F2 / bVII	-
1		2	b3			b5		b6				1	B4 / bVII	-
1		2	b3			5b			6			1	B2 / bVII	-
1		2	b3			b5				b7		1	F3 / I	Minor m7 b5
1		2	b3				5	b6				1	H1 / I	Minor m6 / Hirajoshi (Japan)
1		2	b3				5		6			1	G1 / I	Minor M6 / Kumōi (Japan)
1		2	b3				5			b7		1	F1 / I	Minor m7
1		2	b3				5				7	1	E1 / I	Minor M7

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Structure (2)

1	b2	2	#2 b3	3	4	#4 b5	5	#5 b6	6	b7	7	1	Mode	Name
1		2		3	4			#5				1	F3 / bVII	-
1		2		3	4				6			1	F1 / bVII	-
1		2		3		b5		b6				1	B3 / bVII	-
1		2		3		b5			6			1	B1 / bVII	-
1		2		3		b5				b7		1	B3 / I	Major m7 b5
1		2		3			5	b6				1	D1 / I	Major m6
1		2		3			5		6			1	C1 / I	Major M6 / Gong (China) / Ryō (Japan)
1		2		3			5			b7		1	B1 / I	Major m7
1		2		3			5				7	1	A1 / I	Major M7
1		2		3				#5	6			1	D4 / III	-
1		2		3				#5		b7		1	B3 / II	-
1		2		3				#5			7	1	B5 / bVI	-
1		2			4	b5		b6				1	G2 / V	-
1		2			4	b5			6			1	C2 / V	-
1		2			4	b5				b7		1	D1 / II	-
1		2			4		5	b6				1	G1 / V	-
1		2			4		5		6			1	C1 / V	Zi (China) / Ritsu (Japan) / Bắc (Vietnam)
1		2			4		5			b7		1	C1 / II	Shang (China) / In asc. (Japan)
1		2			4		5				7	1	H4 / bII	-
1		2			4			#5	6			1	C4 / III	-
1		2			4			#5		b7		1	B1 / II	-
1		2			4			#5			7	1	G4 / bII	-
1		2			4				6	b7		1	A1 / II	-
1		2			4				6		7	1	F4 / bII	-
1		2				#4	5		6			1	H4 / bV	-
1		2				#4	5			b7		1	D4 / bV	-
1		2				#4	5				7	1	H2 / bII	-
1		2				#4		#5	6			1	B4 / III	-
1		2				#4		#5		b7		1	B3 / III	-
1		2				#4		#5			7	1	G2 / bII	-
1		2				b5			6	b7		1	B5 / VII	-
1		2				#4	5		6		7	1	F2 / bII	-

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Structure (3)

1	b2	2	#2 b3	3	4	#4 b5	5	#5 b6	6	b7	7	1	Mode	Name
1			#2	3		b5		b6				1	B5 / III	-
1			#2	3		b5			6			1	G4 / VI	-
1			#2	3		b5				b7		1	G2 / VI	-
1			#2	3			5	b6				1	A5 / III	-
1			#2	3			5		6			1	C4 / VI	-
1			#2	3			5			b7		1	C2 / VI	-
1			#2	3			5				7	1	F5 / bVI	-
1			#2	3				#5	6			1	D2 / bIII	-
1			#2	3				#5		b7		1	D1 / III	-
1			#2	3				#5			7	1	A5 / VII	-
1			b3		4	b5		b6				1	F2 / V	-
1			b3		4	5b			6			1	B2 / V	-
1			b3		4	b5				b7		1	G1 / VI	-
1			b3		4		5	b6				1	F1 / V	-
1			b3		4		5		6			1	B1 / V	-
1			b3		4		5			b7		1	C1 / VI	Yu (China) / Min-Yo (Japan) / Nam (Vietnam)
1			b3		4		5				7	1	D4 / bII	-
1			b3		4			#5	6			1	C2 / III	-
1			b3		4			#5		b7		1	C1 / III	Jue (China)
1			b3		4			#5			7	1	C4 / bII	-
1			b3		4				6	b7		1	H4 / bIII	-
1			b3		4				6		7	1	B4 / bII	-
1			b3			#4	5		6			1	G4 / bV	-
1			b3			#4	5			b7		1	C4 / bV	-
1			b3			#4	5				7	1	D2 / bII	-
1			b3			#4		#5	6			1	B2 / III	-
1			b3			#4		#5		b7		1	B1 / III	-
1			b3			#4		#5			7	1	C2 / bII	-
1			b3			b5			6	b7		1	G4 / bIII	-
1			b3			5b			6		7	1	B2 / bII	-
1			b3				5	b6		b7		1	A1 / III	-
1			b3				5	b6			7	1	F5 / I	Minor m6 M7
1			b3				5		6	b7		1	F4 / bIII	-
1			b3				5		6		7	1	F3 / bIII	-

25 Pentatonic scales / 125 modes

Structure (4)

1	b2	2	#2 b3	3	4	#4 b5	5	#5 b6	6	b7	7	1	Mode	Name
1				3	4		5	b6				1	E1 / V	-
1				3	4		5		6			1	A1 / V	-
1				3	4		5			b7		1	H4 / bVI	-
1				3	4		5				7	1	H2 / bVI	-
1				3	4			#5	6			1	F5 / bIII	-
1				3	4			#5		b7		1	D4 / bVI	-
1				3	4			#5			7	1	D2 / bVI	-
1				3	4				6	b7		1	H2 / bIII	-
1				3	4				6		7	1	H1 / bIII	-
1				3		#4	5		6			1	F4 / bV	Hirajoshi [Burrows] (Japan)
1				3		#4	5			b7		1	B4 / bV	-
1				3		#4	5				7	1	H1 / bVI	-
1				3		#4		#5	6			1	F3 / bV	-
1				3		#4		#5		b7		1	B3 / bV	-
1				3		#4		#5			7	1	D1 / bVI	-
1				3		b5			6	b7		1	G2 / bIII	-
1				3		b5			6		7	1	G1 / bIII	-
1				3			5	b6		b7		1	B5 / I	Major m6 m7
1				3			5	b6			7	1	A5 / I	Major m6 M7
1				3			5		6	b7		1	F2 / bIII	-
1				3			5		6		7	1	F1 / bIII	-
1				3				#5	6		7	1	E1 / bIII	-

15 Pentatonic scales / 27 modes

Scales (1)

A1. Major M7	Degree	Scale												
Major M7	I	1		2		3			5				7	1
-	III	1			b3				5	b6		b7		1
-	V	1				3	4		5		6			1

B1. Major m7	Degree	Scale												
Major m7	I	1		2		3			5			b7		1
-	V	1			b3		4		5		6			1

C1. Major M6	Degree	Scale												
Major M6 / Gong (China) / Ryō (Japan)	I	1		2		3			5		6			1
Shang (China) / In asc. (Japan)	II	1		2			4		5			b7		1
Jue (China)	III	1			b3		4		#5			b7		1
Zi (China) / Ritsu (Japan) / Bâc (Vietnam)	V	1		2			4		5		6			1
Yu (China) / Min-Yo (Japan) / Nam (Vietnam)	VI	1			b3		4		5			b7		1

D1. Major m6	Degree	Scale												
Major m6	I	1		2		3			5	b6				1

E1. Minor M7	Degree	Scale												
Minor M7	I	1		2	b3				5				7	1

F1. Minor m7	Degree	Scale												
Minor m7	I	1		2	b3				5			b7		1
-	V	1			b3		4		5	b6				1

G1. Minor M6	Degree	Scale												
Minor M6 / Kumoï (Japan)	I	1		2	b3				5		6			1
In Sen (Japan)	II	1	b2				4		5			b7		1

H1. Mineur m6	Degree	Scale												
Minor m6 / Hirajoshi (Japan)	I	1		2	b3				5	b6				1
Iwato (Japan)	II	1	b2				4	b5				b7		1
In desc. (Japan)	V	1	b2				4		5	b6				1

15 Pentatonic scales / 27 modes

Scales (2)

B2. Major m7 \flat 2	Degree	Scale											
Major m7 \flat 2	I	1	\flat 2			3			5			\flat 7	1

C2. Major M6 \flat 2	Degree	Scale											
Major M6 \flat 2	I	1	\flat 2			3			5		6		1

D2. Major m6 \flat 2	Degree	Scale											
Major m6 \flat 2	I	1	\flat 2			3			5	\flat 6			1

F2. Minor m7 \flat 2	Degré	Scale											
Minor m7 \flat 2 - Pelog	I	1	\flat 2		\flat 3				5			\flat 7	1

G2. Minor M6 \flat 2	Degré	Scale											
Minor M6 \flat 2 - Balinese scale	I	1	\flat 2		\flat 3				5		6		1

H2. Minor m6 \flat 2	Degré	Scale											
Minor m6 \flat 2	I	1	\flat 2		\flat 3				5	\flat 6			1
Ryu-kyu (Japan)	\flat VI	1				3	4		5			7	1

F4. Minor m7 \flat 2 \flat 5	Degré	Scale											
Hirajoshi [Burrows] (Japan)	\flat V	1				3		\sharp 4	5		6		1

15 Pentatonic scales / 27 modes

Structure

1	b2	2	#2 b3	3	4	#4 b5	5	#5 b6	6	b7	7	1	Mode	Name
1	b2		b3				5	b6				1	H2 / I	Minor m6 b2
1	b2		b3				5		6			1	G2 / I	Minor M6 b2 - Balinese scale
1	b2		b3				5			b7		1	F2 / I	Minor m7 b2 - Pelog
1	b2			3			5	b6				1	D2 / I	Major m6 b2
1	b2			3			5		6			1	C2 / I	Major M6 b2
1	b2			3			5			b7		1	B2 / I	Major m7 b2
1	b2				4	b5				b7		1	H1 / II	Iwato (Japan)
1	b2				4		5	b6				1	H1 / V	In desc. (Japan)
1	b2				4		5			b7		1	G1 / II	In Sen (Japan)
1		2	b3				5	b6				1	H1 / I	Minor m6 / Hirajoshi (Japan)
1		2	b3				5		6			1	G1 / I	Minor M6 / Kumoi (Japan)
1		2	b3				5			b7		1	F1 / I	Minor m7
1		2	b3				5				7	1	E1 / I	Minor M7
1		2		3			5	b6				1	D1 / I	Major m6
1		2		3			5		6			1	C1 / I	Major M6 / Gong (China) / Ryō (Japan)
1		2		3			5			b7		1	B1 / I	Major m7
1		2		3			5				7	1	A1 / I	Major M7
1		2			4		5		6			1	C1 / V	Zi (China) / Ritsu (Japan) / Bắc (Vietnam)
1		2			4		5			b7		1	C1 / II	Shang (China) / In asc. (Japan)
1			b3		4		5	b6				1	F1 / V	-
1			b3		4		5		6			1	B1 / V	-
1			b3		4		5			b7		1	C1 / VI	Yu (China) / Min-Yo (Japan) / Nam (Vietnam)
1			b3		4			#5		b7		1	C1 / III	Jue (China)
1			b3				5	b6		b7		1	A1 / III	-
1				3	4		5		6			1	A1 / V	-
1				3	4		5				7	1	H2 / bVI	Ryu-kyu (Japan)
1				3		#4	5		6			1	F4 / bV	Hirajoshi [Burrows] (Japan)

Intervals

R	m2	M2	A2	M3	A3	A4	P5	A5	M6	A6	M7	R
		d3	m3	d4	P4	d5	d6	m6	d7	m7		

1	b2	2	#2	3	#3	#4	5	#5	6	#6	7	1
		bb3	b3	b4	4	b5	bb6	b6	bb7	b7		

			#2		#3	#4		#5		#6		
1		2		3	4		5		6		7	1
	b2		b3	b4		b5		b6		b7		
		bb3					bb6		bb7			
	b9	9	#9		11	#11		b13	13			

Complementary Intervals											
	b2		2		b3		3		4		#4
	7		b7		6		b6		5		b5

Major Keys : Intervals

Major Keys	C	C# Db	E	D# Eb	E	F	F# Gb	G	G# Ab	A	A# Bb	B
C	1	b2	2	#2	3	4	#4	5	#5	6	b7	7
G	4	#4	5	#5	6	b7	7	1	b2	2	#2	3
D	b7	7	1	b2	2	#2	3	4	#4	5	#5	6
A	#2	3	4	#4	5	#5	6	b7	7	1	b2	2
E	#5	6	b7	7	1	b2	2	#2	3	4	#4	5
B	b2	2	#2	3	4	#4	5	#5	6	b7	7	1
F#	#4	5	#5	6	b7	7	1	b2	2	#2	3	4
Gb	b5	5	#5	6	b7	7	1	b2	2	#2	3	4
Db	7	1	b2	2	#2	3	4	#4	5	#5	6	b7
Ab	3	4	#4	5	#5	6	b7	7	1	b2	2	#2
Eb	6	b7	7	1	b2	2	#2	3	4	#4	5	#5
Bb	2	#2	3	4	#4	5	#5	6	b7	7	1	b2
F	5	#5	6	b7	7	1	b2	2	#2	3	4	#4
C	1	b2	2	#2	3	4	#4	5	#5	6	b7	7

Minor Keys : Intervals

Minor Keys	A	A# Bb	B	C	C# Db	E	D# Eb	E	F	F# Gb	G	G# Ab
A	1	b2	2	b3	b4	4	b5	5	b6	6	b7	7
E	4	b5	5	b6	6	b7	7	1	b2	2	b3	b4
B	b7	7	1	b2	2	b3	b4	4	b5	5	b6	6
F#	b3	b4	4	b5	5	b6	6	b7	7	1	b2	2
C#	b6	6	b7	7	1	b2	2	b3	b4	4	b5	5
G#	b2	2	b3	b4	4	b5	5	b6	6	b7	7	1
D#	#4	5	b6	6	b7	7	1	b2	2	b3	b4	b5
Eb	b5	5	b6	6	b7	7	1	b2	2	b3	b4	b5
Bb	7	1	b2	2	b3	b4	4	b5	5	b6	6	b7
F	b3	b4	4	b5	5	b6	6	b7	7	1	b2	2
C	6	b7	7	1	b2	2	b3	b4	4	b5	5	b6
G	2	b3	b4	4	b5	5	b6	6	b7	7	1	
D	5	b6	6	b7	7	1	b2	2	b3	b4	b5	5
A	1	b2	2	b3	b4	4	b5	5	b6	6	b7	7

Circle of Fifths / Forths



Major Keys

Major Keys	1	2	3	4	5	6	7	Minor Keys	Sharps & Flats
C	C	D	E	F	G	A	B	A	-
G	G	A	B	C	D	E	F#	E	#
D	D	E	F#	G	A	B	C#	B	##
A	A	B	C#	D	E	F#	G#	F#	###
E	E	F#	G#	A	B	C#	D#	C#	####
B	B	C#	D#	E	F#	G#	A#	G#	#####
F#	F#	G#	A#	B	C#	D#	E#	D#	#####
Gb	Gb	Ab	Bb	Cb	Db	Eb	F	Eb	bbbbb
Db	Db	Eb	F	Gb	Ab	Bb	C	Bb	bbbbb
Ab	Ab	Bb	C	Db	Eb	F	G#	F	bbbb
Eb	Eb	F	G	Ab	Bb	C	D	C	bbb
Bb	Bb	C	D	Eb	F	G	A	G	bb
F	F	G	A	Bb	C	D	E	D	b
C	C	D	E	F	G	A	B	A	-

Minor Keys

Minor Keys	1	2	b3	4	5	b6	b7	Major Keys	Sharps & Flats
A	A	B	C	D	E	F	G	C	-
E	E	F#	G	A	B	C	D	G	#
B	B	C#	D	E	F#	G	A	D	##
F#	F#	G#	A	B	C#	D	E	A	###
C#	C#	D#	E	F#	G#	A	B	E	####
G#	G#	A#	B	C#	D#	E	F#	B	#####
D#	D#	E#	F#	G#	A#	B	C#	F#	#####
Eb	Eb	F	Gb	Ab	Bb	Cb	Db	Gb	bbbbb
Bb	Bb	C	Db	Eb	F	Gb	Ab	Db	bbbbb
F	F	G	Ab	Bb	C	Db	Eb	Ab	bbbb
C	C	D	Eb	F	G	Ab	Bb	Eb	bbb
G	G	A	Bb	C	D	Eb	F	Bb	bb
D	D	E	F	G	A	Bb	C	F	b
A	A	B	C	D	E	F	G	C	-

Circle of Fifths / Forths



Major Keys : Degrees / Intervals

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

Minor Keys : Degrees / Intervals

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

Circle of Forths / Fifths



