

# MUSICAL SCALES

## Equal Tempered Chromatic Scale

A<sub>4</sub> = 440 Hz

### International Concert Pitch

Note	Frequency	Note	Frequency	Note	Frequency	Note	Frequency
C <sub>0</sub>	16.35	C <sub>2</sub>	65.41	C <sub>4</sub>	261.63	C <sub>6</sub>	1046.50
C# <sub>0</sub>	17.32	C# <sub>2</sub>	69.30	C# <sub>4</sub>	277.18	C# <sub>6</sub>	1108.73
D <sub>0</sub>	18.35	D <sub>2</sub>	73.42	D <sub>4</sub>	293.66	D <sub>6</sub>	1174.66
D# <sub>0</sub>	19.45	D# <sub>2</sub>	77.78	D# <sub>4</sub>	311.13	D# <sub>6</sub>	1244.51
E <sub>0</sub>	20.60	E <sub>2</sub>	82.41	E <sub>4</sub>	329.63	E <sub>6</sub>	1318.51
F <sub>0</sub>	21.83	F <sub>2</sub>	87.31	F <sub>4</sub>	349.23	F <sub>6</sub>	1396.91
F# <sub>0</sub>	23.12	F# <sub>2</sub>	92.50	F# <sub>4</sub>	369.99	F# <sub>6</sub>	1479.98
G <sub>0</sub>	24.50	G <sub>2</sub>	98.00	G <sub>4</sub>	392.00	G <sub>6</sub>	1567.98
G# <sub>0</sub>	25.96	G# <sub>2</sub>	103.83	G# <sub>4</sub>	415.30	G# <sub>6</sub>	1661.22
A <sub>0</sub>	27.50	A <sub>2</sub>	110.00	A <sub>4</sub>	440.00	A <sub>6</sub>	1760.00
A# <sub>0</sub>	29.14	A# <sub>2</sub>	116.54	A# <sub>4</sub>	466.16	A# <sub>6</sub>	1864.66
B <sub>0</sub>	30.87	B <sub>2</sub>	123.47	B <sub>4</sub>	493.88	B <sub>6</sub>	1975.53
C <sub>1</sub>	32.70	C <sub>3</sub>	130.81	C <sub>5</sub>	523.25	C <sub>7</sub>	2093.00
C# <sub>1</sub>	34.65	C# <sub>3</sub>	138.59	C# <sub>5</sub>	554.37	C# <sub>7</sub>	2217.46
D <sub>1</sub>	36.71	D <sub>3</sub>	146.83	D <sub>5</sub>	587.33	D <sub>7</sub>	2349.32
D# <sub>1</sub>	38.89	D# <sub>3</sub>	155.56	D# <sub>5</sub>	622.25	D# <sub>7</sub>	2489.02
E <sub>1</sub>	41.20	E <sub>3</sub>	164.81	E <sub>5</sub>	659.26	E <sub>7</sub>	2637.02
F <sub>1</sub>	43.65	F <sub>3</sub>	174.61	F <sub>5</sub>	698.46	F <sub>7</sub>	2793.83
F# <sub>1</sub>	46.25	F# <sub>3</sub>	185.00	F# <sub>5</sub>	739.99	F# <sub>7</sub>	2959.96
G <sub>1</sub>	49.00	G <sub>3</sub>	196.00	G <sub>5</sub>	783.99	G <sub>7</sub>	3135.96
G# <sub>1</sub>	51.91	G# <sub>3</sub>	207.65	G# <sub>5</sub>	830.61	G# <sub>7</sub>	3322.44
A <sub>1</sub>	55.00	A <sub>3</sub>	220.00	A <sub>5</sub>	880.00	A <sub>7</sub>	3520.00
A# <sub>1</sub>	58.27	A# <sub>3</sub>	233.08	A# <sub>5</sub>	932.33	A# <sub>7</sub>	3729.31
B <sub>1</sub>	61.74	B <sub>3</sub>	246.94	B <sub>5</sub>	987.77	B <sub>7</sub>	3951.07
						C <sub>8</sub>	4186.01

### Scientific or Just Scale

C<sub>4</sub> = 256 Hz

Note	Frequency	Note	Frequency	Note	Frequency	Note	Frequency
C <sub>0</sub>	16	C <sub>2</sub>	64	C <sub>4</sub>	256	C <sub>6</sub>	1024
D <sub>0</sub>	18	D <sub>2</sub>	72	D <sub>4</sub>	288	D <sub>6</sub>	1152
E <sub>0</sub>	20	E <sub>2</sub>	80	E <sub>4</sub>	320	E <sub>6</sub>	1280
F <sub>0</sub>	21.33	F <sub>2</sub>	85.33	F <sub>4</sub>	341.33	F <sub>6</sub>	1365.33
G <sub>0</sub>	24	G <sub>2</sub>	96	G <sub>4</sub>	384	G <sub>6</sub>	1536
A <sub>0</sub>	26.67	A <sub>2</sub>	106.67	A <sub>4</sub>	426.67	A <sub>6</sub>	1706.67
B <sub>0</sub>	30	B <sub>2</sub>	120	B <sub>4</sub>	480	B <sub>6</sub>	1920
C <sub>1</sub>	32	C <sub>3</sub>	128	C <sub>5</sub>	512	C <sub>7</sub>	2048
D <sub>1</sub>	36	D <sub>3</sub>	144	D <sub>5</sub>	576	D <sub>7</sub>	2304
E <sub>1</sub>	40	E <sub>3</sub>	160	E <sub>5</sub>	640	E <sub>7</sub>	2560
F <sub>1</sub>	42.67	F <sub>3</sub>	170.67	F <sub>5</sub>	682.67	F <sub>7</sub>	2730.67
G <sub>1</sub>	48	G <sub>3</sub>	192	G <sub>5</sub>	768	G <sub>7</sub>	3072
A <sub>1</sub>	53.33	A <sub>3</sub>	213.33	A <sub>5</sub>	853.33	A <sub>7</sub>	3413.33
B <sub>1</sub>	60	B <sub>3</sub>	240	B <sub>5</sub>	960	B <sub>7</sub>	3840
						C <sub>8</sub>	4096