

Middle C

A0 27.5	A0# 29.135
B0 30.868	
C1 32.703	C1# 34.648
D1 36.708	D1# 38.891
E1 41.203	
F1 43.654	F1# 46.249
G1 48.999	G1# 51.913
A1 55.000	A1# 58.270
B1 61.735	
C2 65.406	C2# 69.296
D2 73.416	D2# 77.782
E2 82.407	
F2 87.307	F2# 92.499
G2 97.999	G2# 103.83
A2 110.00	A2# 116.54
B2 123.47	
C3 130.81	C3# 138.59
D3 146.83	D3# 155.56
E3 164.81	
F3 174.61	F3# 185.00
G3 196.00	G3# 207.65
A3 220.00	A3# 233.08
B3 246.94	
C4 261.63	C4# 277.18
D4 293.66	D4# 311.13
E4 329.63	
F4 349.23	F4# 369.99
G4 392.00	G4# 415.30
A4 440.00	A4# 466.16
B4 493.88	
C5 523.25	C5# 554.37
D5 587.33	D5# 622.25
E5 659.25	
F5 698.46	F5# 739.99
G5 783.99	G5# 830.61
A5 880.00	A5# 932.33
B5 987.77	
C6 1046.5	C6# 1108.7
D6 1174.7	D6# 1244.5
E6 1318.5	
F6 1396.9	F6# 1480.0
G6 1568.0	G6# 1661.2
A6 1760.0	A6# 1864.7
B6 1979.5	
C7 2093.0	C7# 2217.5
D7 2349.3	D7# 2489.0
E7 2637.0	
F7 2793.8	F7# 2960.0
G7 3136.0	G7# 3322.4
A7 3520.0	A7# 3729.3
B7 3951.1	
C8 4186.0	

## PIANO KEYBOARD

The number beside each key is the fundamental frequency in units of cycles per seconds, or Hertz.

## OCTAVES

For example, the A4 key has a frequency of 440 Hz.

Note that A5 has a frequency of 880 Hz. The A5 key is thus one octave higher than A4 since it has twice the frequency.

## OVERTONES

An overtone is a higher natural frequency for a given string. The overtones are "harmonic" if each occurs at an integer multiple of the fundamental frequency.