**Frequencies for equal-tempered scale, A4 = 440 Hz**

Speed of Sound = 345 m/s = 1130 ft/s = 770 miles/hr  
  
  
("Middle C" is C4 )

|  |  |  |
| --- | --- | --- |
| **Note** | **Frequency (Hz)** | **Wavelength (cm)** |
| C0 | 16.35 | 2109.89 |
| C#0/Db0 | 17.32 | 1991.47 |
| D0 | 18.35 | 1879.69 |
| D#0/Eb0 | 19.45 | 1774.20 |
| E0 | 20.60 | 1674.62 |
| F0 | 21.83 | 1580.63 |
| F#0/Gb0 | 23.12 | 1491.91 |
| G0 | 24.50 | 1408.18 |
| G#0/Ab0 | 25.96 | 1329.14 |
| A0 | 27.50 | 1254.55 |
| A#0/Bb0 | 29.14 | 1184.13 |
| B0 | 30.87 | 1117.67 |
| C1 | 32.70 | 1054.94 |
| C#1/Db1 | 34.65 | 995.73 |
| D1 | 36.71 | 939.85 |
| D#1/Eb1 | 38.89 | 887.10 |
| E1 | 41.20 | 837.31 |
| F1 | 43.65 | 790.31 |
| F#1/Gb1 | 46.25 | 745.96 |
| G1 | 49.00 | 704.09 |
| G#1/Ab1 | 51.91 | 664.57 |
| A1 | 55.00 | 627.27 |
| A#1/Bb1 | 58.27 | 592.07 |
| B1 | 61.74 | 558.84 |
| C2 | 65.41 | 527.47 |
| C#2/Db2 | 69.30 | 497.87 |
| D2 | 73.42 | 469.92 |
| D#2/Eb2 | 77.78 | 443.55 |
| E2 | 82.41 | 418.65 |
| F2 | 87.31 | 395.16 |
| F#2/Gb2 | 92.50 | 372.98 |
| G2 | 98.00 | 352.04 |
| G#2/Ab2 | 103.83 | 332.29 |
| A2 | 110.00 | 313.64 |
| A#2/Bb2 | 116.54 | 296.03 |
| B2 | 123.47 | 279.42 |
| C3 | 130.81 | 263.74 |
| C#3/Db3 | 138.59 | 248.93 |
| D3 | 146.83 | 234.96 |
| D#3/Eb3 | 155.56 | 221.77 |
| E3 | 164.81 | 209.33 |
| F3 | 174.61 | 197.58 |
| F#3/Gb3 | 185.00 | 186.49 |
| G3 | 196.00 | 176.02 |
| G#3/Ab3 | 207.65 | 166.14 |
| A3 | 220.00 | 156.82 |
| A#3/Bb3 | 233.08 | 148.02 |
| B3 | 246.94 | 139.71 |
| C4 | 261.63 | 131.87 |
| C#4/Db4 | 277.18 | 124.47 |
| D4 | 293.66 | 117.48 |
| D#4/Eb4 | 311.13 | 110.89 |
| E4 | 329.63 | 104.66 |
| F4 | 349.23 | 98.79 |
| F#4/Gb4 | 369.99 | 93.24 |
| G4 | 392.00 | 88.01 |
| G#4/Ab4 | 415.30 | 83.07 |
| A4 | 440.00 | 78.41 |
| A#4/Bb4 | 466.16 | 74.01 |
| B4 | 493.88 | 69.85 |
| C5 | 523.25 | 65.93 |
| C#5/Db5 | 554.37 | 62.23 |
| D5 | 587.33 | 58.74 |
| D#5/Eb5 | 622.25 | 55.44 |
| E5 | 659.25 | 52.33 |
| F5 | 698.46 | 49.39 |
| F#5/Gb5 | 739.99 | 46.62 |
| G5 | 783.99 | 44.01 |
| G#5/Ab5 | 830.61 | 41.54 |
| A5 | 880.00 | 39.20 |
| A#5/Bb5 | 932.33 | 37.00 |
| B5 | 987.77 | 34.93 |
| C6 | 1046.50 | 32.97 |
| C#6/Db6 | 1108.73 | 31.12 |
| D6 | 1174.66 | 29.37 |
| D#6/Eb6 | 1244.51 | 27.72 |
| E6 | 1318.51 | 26.17 |
| F6 | 1396.91 | 24.70 |
| F#6/Gb6 | 1479.98 | 23.31 |
| G6 | 1567.98 | 22.00 |
| G#6/Ab6 | 1661.22 | 20.77 |
| A6 | 1760.00 | 19.60 |
| A#6/Bb6 | 1864.66 | 18.50 |
| B6 | 1975.53 | 17.46 |
| C7 | 2093.00 | 16.48 |
| C#7/Db7 | 2217.46 | 15.56 |
| D7 | 2349.32 | 14.69 |
| D#7/Eb7 | 2489.02 | 13.86 |
| E7 | 2637.02 | 13.08 |
| F7 | 2793.83 | 12.35 |
| F#7/Gb7 | 2959.96 | 11.66 |
| G7 | 3135.96 | 11.00 |
| G#7/Ab7 | 3322.44 | 10.38 |
| A7 | 3520.00 | 9.80 |
| A#7/Bb7 | 3729.31 | 9.25 |
| B7 | 3951.07 | 8.73 |
| C8 | 4186.01 | 8.24 |
| C#8/Db8 | 4434.92 | 7.78 |
| D8 | 4698.63 | 7.34 |
| D#8/Eb8 | 4978.03 | 6.93 |
| E8 | 5274.04 | 6.54 |
| F8 | 5587.65 | 6.17 |
| F#8/Gb8 | 5919.91 | 5.83 |
| G8 | 6271.93 | 5.50 |
| G#8/Ab8 | 6644.88 | 5.19 |
| A8 | 7040.00 | 4.90 |
| A#8/Bb8 | 7458.62 | 4.63 |
| B8 | 7902.13 | 4.37 |

(To convert lengths in cm to inches, divide by 2.54)