|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Key number** | [**Helmholtz**](https://en.wikipedia.org/wiki/Helmholtz_pitch_notation) **name** | [**Scientific**](https://en.wikipedia.org/wiki/Scientific_pitch_notation) **name** | **Frequency (Hz)** | **Corresponding Open Strings** | | | | |
| [**Violin**](https://en.wikipedia.org/wiki/Violin) | [**Viola**](https://en.wikipedia.org/wiki/Viola) | [**Cello**](https://en.wikipedia.org/wiki/Cello) | [**Bass**](https://en.wikipedia.org/wiki/Double_bass) | [**Guitar**](https://en.wikipedia.org/wiki/Guitar) |
| 88 | c′′′′′ 5-line [octave](https://en.wikipedia.org/wiki/Octave) | [C8](https://en.wikipedia.org/wiki/Eighth_octave_C) Eighth octave | 4186.01 |  |  |  |  |  |
| 87 | b′′′′ | B7 | 3951.07 |  |  |  |  |  |
| 86 | a♯′′′′/b♭′′′′ | A♯7/B♭7 | 3729.31 |  |  |  |  |  |
| 85 | a′′′′ | A7 | 3520.00 |  |  |  |  |  |
| 84 | g♯′′′′/a♭′′′′ | G♯7/A♭7 | 3322.44 |  |  |  |  |  |
| 83 | g′′′′ | G7 | 3135.96 |  |  |  |  |  |
| 82 | f♯′′′′/g♭′′′′ | F♯7/G♭7 | 2959.96 |  |  |  |  |  |
| 81 | f′′′′ | F7 | 2793.83 |  |  |  |  |  |
| 80 | e′′′′ | E7 | 2637.02 |  |  |  |  |  |
| 79 | d♯′′′′/e♭′′′′ | D♯7/E♭7 | 2489.02 |  |  |  |  |  |
| 78 | d′′′′ | D7 | 2349.32 |  |  |  |  |  |
| 77 | c♯′′′′/d♭′′′′ | C♯7/D♭7 | 2217.46 |  |  |  |  |  |
| 76 | c′′′′ 4-line octave | C7 [Double high C](https://en.wikipedia.org/wiki/Double_high_C) | 2093.00 |  |  |  |  |  |
| 75 | b′′′ | B6 | 1975.53 |  |  |  |  |  |
| 74 | a♯′′′/b♭′′′ | A♯6/B♭6 | 1864.66 |  |  |  |  |  |
| 73 | a′′′ | A6 | 1760.00 |  |  |  |  |  |
| 72 | g♯′′′/a♭′′′ | G♯6/A♭6 | 1661.22 |  |  |  |  |  |
| 71 | g′′′ | G6 | 1567.98 |  |  |  |  |  |
| 70 | f♯′′′/g♭′′′ | F♯6/G♭6 | 1479.98 |  |  |  |  |  |
| 69 | f′′′ | F6 | 1396.91 |  |  |  |  |  |
| 68 | e′′′ | E6 | 1318.51 |  |  |  |  |  |
| 67 | d♯′′′/e♭′′′ | D♯6/E♭6 | 1244.51 |  |  |  |  |  |
| 66 | d′′′ | D6 | 1174.66 |  |  |  |  |  |
| 65 | c♯′′′/d♭′′′ | C♯6/D♭6 | 1108.73 |  |  |  |  |  |
| 64 | c′′′ 3-line octave | C6 [Soprano C](https://en.wikipedia.org/wiki/Soprano_C) (High C) | 1046.50 |  |  |  |  |  |
| 63 | b′′ | B5 | 987.767 |  |  |  |  |  |
| 62 | a♯′′/b♭′′ | A♯5/B♭5 | 932.328 |  |  |  |  |  |
| 61 | a′′ | A5 | 880.000 |  |  |  |  |  |
| 60 | g♯′′/a♭′′ | G♯5/A♭5 | 830.609 |  |  |  |  |  |
| 59 | g′′ | G5 | 783.991 |  |  |  |  |  |
| 58 | f♯′′/g♭′′ | F♯5/G♭5 | 739.989 |  |  |  |  |  |
| 57 | f′′ | F5 | 698.456 |  |  |  |  |  |
| 56 | e′′ | E5 | 659.255 | E |  |  |  |  |
| 55 | d♯′′/e♭′′ | D♯5/E♭5 | 622.254 |  |  |  |  |  |
| 54 | d′′ | D5 | 587.330 |  |  |  |  |  |
| 53 | c♯′′/d♭′′ | C♯5/D♭5 | 554.365 |  |  |  |  |  |
| 52 | c′′ 2-line octave | C5 | 523.251 |  |  |  |  |  |
| 51 | b′ | B4 | 493.883 |  |  |  |  |  |
| 50 | a♯′/b♭′ | A♯4/B♭4 | 466.164 |  |  |  |  |  |
| 49 | a′ | A4 [A440](https://en.wikipedia.org/wiki/A440_(pitch_standard)) | 440.000 | A | A |  |  | High A (Optional) |
| 48 | g♯′/a♭′ | G♯4/A♭4 | 415.305 |  |  |  |  |  |
| 47 | g′ | G4 | 391.995 |  |  |  |  |  |
| 46 | f♯′/g♭′ | F♯4/G♭4 | 369.994 |  |  |  |  |  |
| 45 | f′ | F4 | 349.228 |  |  |  |  |  |
| 44 | e′ | E4 | 329.628 |  |  |  |  | High E |
| 43 | d♯′/e♭′ | D♯4/E♭4 | 311.127 |  |  |  |  |  |
| 42 | d′ | D4 | 293.665 | D | D |  |  |  |
| 41 | c♯′/d♭′ | C♯4/D♭4 | 277.183 |  |  |  |  |  |
| 40 | c′ 1-line octave | C4 [Middle C](https://en.wikipedia.org/wiki/C_(musical_note)#Middle_C) | 261.626 |  |  |  |  |  |
| 39 | b | B3 | 246.942 |  |  |  |  | B |
| 38 | a♯/b♭ | A♯3/B♭3 | 233.082 |  |  |  |  |  |
| 37 | a | A3 | 220.000 |  |  | A |  |  |
| 36 | g♯/a♭ | G♯3/A♭3 | 207.652 |  |  |  |  |  |
| 35 | g | G3 | 195.998 | G | G |  |  | G |
| 34 | f♯/g♭ | F♯3/G♭3 | 184.997 |  |  |  |  |  |
| 33 | f | F3 | 174.614 |  |  |  | F (7 string) |  |
| 32 | e | E3 | 164.814 |  |  |  |  |  |
| 31 | d♯/e♭ | D♯3/E♭3 | 155.563 |  |  |  |  |  |
| 30 | d | D3 | 146.832 |  |  | D |  | D |
| 29 | c♯/d♭ | C♯3/D♭3 | 138.591 |  |  |  |  |  |
| 28 | c small octave | C3 [Tenor C](https://en.wikipedia.org/wiki/Tenor_C) | 130.813 | C (5 string) | C |  | C (6 string) |  |
| 27 | B | B2 | 123.471 |  |  |  |  |  |
| 26 | A♯/B♭ | A♯2/B♭2 | 116.541 |  |  |  |  |  |
| 25 | A | A2 | 110.000 |  |  |  |  | A |
| 24 | G♯/A♭ | G♯2/A♭2 | 103.826 |  |  |  |  |  |
| 23 | G | G2 | 97.9989 |  |  | G | G |  |
| 22 | F♯/G♭ | F♯2/G♭2 | 92.4986 |  |  |  |  |  |
| 21 | F | F2 | 87.3071 | F (6 string) |  |  |  |  |
| 20 | E | E2 | 82.4069 |  |  |  |  | Low E |
| 19 | D♯/E♭ | D♯2/E♭2 | 77.7817 |  |  |  |  |  |
| 18 | D | D2 | 73.4162 |  |  |  | D |  |
| 17 | C♯/D♭ | C♯2/D♭2 | 69.2957 |  |  |  |  |  |
| 16 | C great octave | C2 [Deep C](https://en.wikipedia.org/wiki/Deep_C) | 65.4064 |  |  | C |  |  |
| 15 | B͵ | B1 | 61.7354 |  |  |  |  | B (7 string) |
| 14 | A♯͵/B♭͵ | A♯1/B♭1 | 58.2705 | B♭ (7 string) |  |  |  |  |
| 13 | A͵ | A1 | 55.0000 |  |  |  | A |  |
| 12 | G♯͵/A♭͵ | G♯1/A♭1 | 51.9131 |  |  |  |  |  |
| 11 | G͵ | G1 | 48.9994 |  |  |  |  |  |
| 10 | F♯͵/G♭͵ | F♯1/G♭1 | 46.2493 |  |  |  |  | F♯ (8 string) |
| 9 | F͵ | F1 | 43.6535 |  |  |  |  |  |
| 8 | E͵ | E1 | 41.2034 |  |  |  | E |  |
| 7 | D♯͵/E♭͵ | D♯1/E♭1 | 38.8909 |  |  |  |  |  |
| 6 | D͵ | D1 | 36.7081 |  |  |  |  |  |
| 5 | C♯͵/D♭͵ | C♯1/D♭1 | 34.6478 |  |  |  |  | C♯ (9 string) |
| 4 | C͵ contra-octave | C1 Pedal C | 32.7032 |  |  |  |  |  |
| 3 | B͵͵ | B0 | 30.8677 |  |  |  | B (5 string) |  |
| 2 | A♯͵͵/B♭͵͵ | A♯0/B♭0 | 29.1352 |  |  |  |  |  |
| 1 | A͵͵ sub-contra-octave | A0 Double Pedal A | 27.5000 |  |  |  |  |  |