|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 键 | 频率(HZ) | 精确值 |  | 键 | 频率(HZ) | 精确值 |  |
| a0 | 27.500 | 27.5000000000 |  | f4 | 349.228 | 349.2282314330 |  |
| a#0 | 29.135 | 29.1352350949 |  | f#4 | 369.994 | 369.9944227116 |  |
| b0 | 30.868 | 30.8677063285 |  | g4 | 391.995 | 391.9954359817 |  |
| c1 | 32.703 | 32.7031956626 |  | g#4 | 415.305 | 415.3046975799 |  |
| c#1 | 34.648 | 34.6478288721 |  | **a4** | **440.000** | **440.0000000000** |  |
| d1 | 36.708 | 36.7080959897 |  | a#4 | 466.164 | 466.1637615181 |  |
| d#1 | 38.891 | 38.8908729653 |  | b4 | 493.883 | 493.8833012561 |  |
| e1 | 41.203 | 41.2034446141 |  | c5 | 523.251 | 523.2511306012 |  |
| f1 | 43.654 | 43.6535289291 |  | c#5 | 554.365 | 554.3652619538 |  |
| f#1 | 46.249 | 46.2493028389 |  | d5 | 587.330 | 587.3295358348 |  |
| g1 | 48.999 | 48.9994294977 |  | d#5 | 622.254 | 622.2539674442 |  |
| g#1 | 51.913 | 51.9130871975 |  | e5 | 659.255 | 659.2551138258 |  |
| a1 | 55.000 | 55.0000000000 |  | f5 | 698.456 | 698.4564628660 |  |
| a#1 | 58.270 | 58.2704701898 |  | f#5 | 739.989 | 739.9888454233 |  |
| b1 | 61.735 | 61.7354126570 |  | g5 | 783.991 | 783.9908719635 |  |
| c2 | 65.406 | 65.4063913251 |  | g#5 | 830.609 | 830.6093951599 |  |
| c#2 | 69.296 | 69.2956577442 |  | a5 | 880.000 | 880.0000000000 |  |
| d2 | 73.416 | 73.4161919793 |  | a#5 | 932.328 | 932.3275230362 |  |
| d#2 | 77.782 | 77.7817459305 |  | b5 | 987.767 | 987.7666025123 |  |
| e2 | 82.407 | 82.4068892282 |  | c6 | 1046.502 | 1046.5022612025 |  |
| f2 | 87.307 | 87.3070578582 |  | c#6 | 1108.731 | 1108.7305239076 |  |
| f#2 | 92.499 | 92.4986056779 |  | d6 | 1174.659 | 1174.6590716697 |  |
| g2 | 97.999 | 97.9988589954 |  | d#6 | 1244.508 | 1244.5079348884 |  |
| g#2 | 103.826 | 103.8261743950 |  | e6 | 1318.510 | 1318.5102276516 |  |
| a2 | 110.000 | 110.0000000000 |  | f6 | 1396.913 | 1396.9129257321 |  |
| a#2 | 116.541 | 116.5409403795 |  | f#6 | 1479.978 | 1479.9776908467 |  |
| b2 | 123.471 | 123.4708253140 |  | g6 | 1567.982 | 1567.9817439272 |  |
| c3 | 130.813 | 130.8127826503 |  | g#6 | 1661.219 | 1661.2187903200 |  |
| c#3 | 138.591 | 138.5913154884 |  | a6 | 1760.000 | 1760.0000000002 |  |
| d3 | 146.832 | 146.8323839587 |  | a#6 | 1864.655 | 1864.6550460726 |  |
| d#3 | 155.563 | 155.5634918610 |  | b6 | 1975.533 | 1975.5332050247 |  |
| e3 | 164.814 | 164.8137784564 |  | c7 | 2093.005 | 2093.0045224050 |  |
| f3 | 174.614 | 174.6141157165 |  | c#7 | 2217.461 | 2217.4610478153 |  |
| f#3 | 184.997 | 184.9972113558 |  | d7 | 2349.318 | 2349.3181433396 |  |
| g3 | 195.998 | 195.9977179909 |  | d#7 | 2489.016 | 2489.0158697770 |  |
| g#3 | 207.652 | 207.6523487900 |  | e7 | 2637.020 | 2637.0204553033 |  |
| a3 | 220.000 | 220.0000000000 |  | f7 | 2793.826 | 2793.8258514644 |  |
| a#3 | 233.082 | 233.0818807590 |  | f#7 | 2959.955 | 2959.9553816935 |  |
| b3 | 246.942 | 246.9416506281 |  | g7 | 3135.963 | 3135.9634878545 |  |
| c4 | 261.626 | 261.6255653006 |  | g#7 | 3322.438 | 3322.4375806401 |  |
| c#4 | 277.183 | 277.1826309769 |  | a7 | 3520.000 | 3520.0000000006 |  |
| d4 | 293.665 | 293.6647679174 |  | a#7 | 3729.310 | 3729.3100921453 |  |
| d#4 | 311.127 | 311.1269837221 |  | b7 | 3951.066 | 3951.0664100497 |  |
| e4 | 329.628 | 329.6275569129 |  | c8 | 4186.009 | 4186.0090448103 |  |
| 注：半音程倍数值：1.0594630943593。 音分倍数值（半音程=100音分）：1.00057779 | | | | | | | |