Tonalsoft®

the pitch bend arc

Tonescape®   **Encyclopedia**   **Company**   **Info**   **Files**

MIDI Note Number, Frequency Table

Note that the MIDI pitch specification assumes **12-edo** tuning.

octave -5

Octave Name	MIDI Octave	MIDI Note Number	Note Name	Frequency Hz	Absolute Cents
--	-5	0	C	8.1757989156	-6,900.0000
--	-5	1	C#/Db	8.6619572180	-6,800.0000
--	-5	2	D	9.1770239974	-6,700.0000
--	-5	3	D#/Eb	10.3008611535	-6,600.0000
--	-5	4	E	10.3008611535	-6,500.0000
--	-5	5	F	10.9133822323	-6,400.0000
--	-5	6	F#/Gb	11.5623257097	-6,300.0000
--	-5	7	G	12.2498573744	-6,200.0000
--	-5	8	G#/Ab	12.9782717994	-6,100.0000
--	-5	9	A	13.7500000000	-6,000.0000
--	-5	10	A#/Bb	14.5676175474	-5,900.0000
--	-5	11	B	15.4338531643	-5,800.0000

octave -4

Octave Name	MIDI Octave	MIDI Note Number	Note Name	Frequency Hz	Absolute Cents
--	-4	12	C	16.3515978313	-5,700.00
--	-4	13	C#/Db	17.3239144361	-5,600.00
--	-4	14	D	18.3540479948	-5,500.00
--	-4	15	D#/Eb	19.4454364826	-5,400.00
--	-4	16	E	20.6017223071	-5,300.00
--	-4	17	F	21.8267644646	-5,200.00
--	-4	18	F#/Gb	23.1246514195	-5,100.00

--	-4	19	G	24.4997147489	-5,000.00
--	-4	20	G#/Ab	25.9565435987	-4,900.00
--	-4	21	A	27.5000000000	-4,800.00
--	-4	22	A#/Bb	29.1352350949	-4,700.00
--	-4	23	B	30.8677063285	-4,600.00

octave -3

Octave Name	MIDI Octave	MIDI Note Number	Note Name	Frequency Hz	Absolute Cents
--	-3	24	C	32.7031956626	-4,500.00
--	-3	25	C#/Db	34.6478288721	-4,400.00
--	-3	26	D	36.7080959897	-4,300.00
--	-3	27	D#/Eb	38.8908729653	-4,200.00
--	-3	28	E	41.2034446141	-4,100.00
--	-3	29	F	43.6535289291	-4,000.00
--	-3	30	F#/Gb	46.2493028390	-3,900.00
Low	-3	31	G	48.9994294977	-3,800.00
Low	-3	32	G#/Ab	51.9130871975	-3,700.00
Low	-3	33	A	55.0000000000	-3,600.00
Low	-3	34	A#/Bb	58.2704701898	-3,500.00
Low	-3	35	B	61.7354126570	-3,400.00

octave -2

Octave Name	MIDI Octave	MIDI Note Number	Note Name	Frequency Hz	Absolute Cents
Low	-2	36	C	65.4063913251	-3,300.00
Low	-2	37	C#/Db	69.2956577442	-3,200.00
Low	-2	38	D	73.4161919794	-3,100.00
Low	-2	39	D#/Eb	77.7817459305	-3,000.00
Low	-2	40	E	82.4068892282	-2,900.00
Low	-2	41	F	87.3070578583	-2,800.00
Low	-2	42	F#/Gb	92.4986056779	-2,700.00
Bass	-2	43	G	97.9988589954	-2,600.00

Bass	-2	44	G$^{\#}$/A^{b}	103.8261743950	-2,500.00
Bass	-2	45	A	110.0000000000	-2,400.00
Bass	-2	46	A$^{\#}$/B^{b}	116.5409403795	-2,300.00
Bass	-2	47	B	123.4708253140	-2,200.00

octave -1

Octave Name	MIDI Octave	MIDI Note Number	Note Name	Frequency Hz	Absolute Cents
Bass	-1	48	C	130.8127826503	-2,100.00
Bass	-1	49	C$^{\#}$/D^{b}	138.5913154884	-2,000.00
Bass	-1	50	D	146.8323839587	-1,900.00
Bass	-1	51	D$^{\#}$/E^{b}	155.5634918610	-1,800.00
Bass	-1	52	E	164.8137784564	-1,700.00
Bass	-1	53	F	174.6141157165	-1,600.00
Bass	-1	54	F$^{\#}$/G^{b}	184.9972113558	-1,500.00
Middle	-1	55	G	195.9977179909	-1,400.00
Middle	-1	56	G$^{\#}$/A^{b}	207.6523487900	-1,300.00
Middle	-1	57	A	220.0000000000	-1,200.00
Middle	-1	58	A$^{\#}$/B^{b}	233.0818807590	-1,100.00
Middle	-1	59	B	246.9416506281	-1,000.00

octave 0

Octave Name	MIDI Octave	MIDI Note Number	Note Name	Frequency Hz	Absolute Cents
Middle	0	60	C	261.6255653006	-900.00
Middle	0	61	C$^{\#}$/D^{b}	277.1826309769	-800.00
Middle	0	62	D	293.6647679174	-700.00
Middle	0	63	D$^{\#}$/E^{b}	311.1269837221	-600.00
Middle	0	64	E	329.6275569129	-500.00
Middle	0	65	F	349.2282314330	-400.00
Treble	0	66	F$^{\#}$/G^{b}	369.9944227116	-300.00
Treble	0	67	G	391.9954359817	-200.00
Treble	0	68	G$^{\#}$/A^{b}	415.3046975799	-100.00

Treble	0	69	A	440.0000000000	0.00
Treble	0	70	A#/Bb	466.1637615181	100.00
Treble	0	71	B	493.8833012561	200.00

octave 1

Octave Name	MIDI Octave	MIDI Note Number	Note Name	Frequency Hz	Absolute Cents
Treble	1	72	C	523.2511306012	300.00
Treble	1	73	C#/Db	554.3652619537	400.00
Treble	1	74	D	587.3295358348	500.00
Treble	1	75	D#/Eb	622.2539674442	600.00
Treble	1	76	E	659.2551138257	700.00
Treble	1	77	F	698.4564628660	800.00
High	1	78	F#/Gb	739.9888454233	900.00
High	1	79	G	783.9908719635	1,000.00
High	1	80	G#/Ab	830.6093951599	1,100.00
High	1	81	A	880.0000000000	1,200.00
High	1	82	A#/Bb	932.3275230362	1,300.00
High	1	83	B	987.7666025122	1,400.00

octave 2

Octave Name	MIDI Octave	MIDI Note Number	Note Name	Frequency Hz	Absolute Cents
High	2	84	C	1,046.5022612024	1,500.00
High	2	85	C#/Db	1,108.7305239075	1,600.00
High	2	86	D	1,174.6590716696	1,700.00
High	2	87	D#/Eb	1,244.5079348883	1,800.00
High	2	88	E	1,318.5102276515	1,900.00
High	2	89	F	1,396.9129257320	2,000.00
--	2	90	F#/Gb	1,479.9776908465	2,100.00
--	2	91	G	1,567.9817439270	2,200.00
--	2	92	G#/Ab	1,661.2187903198	2,300.00
--	2	93	A	1,760.0000000000	2,400.00

| -- | 2 | 94 | A#/Bb | 1,864.6550460724 | 2,500.00 |
| -- | 2 | 95 | B | 1,975.5332050245 | 2,600.00 |

octave 3

Octave Name	MIDI Octave	MIDI Note Number	Note Name	Frequency Hz	Absolute Cents
--	3	96	C	2,093.0045224048	2,700.00
--	3	97	C#/Db	2,217.4610478150	2,800.00
--	3	98	D	2,349.3181433393	2,900.00
--	3	99	D#/Eb	2,489.0158697766	3,000.00
--	3	100	E	2,637.0204553030	3,100.00
--	3	101	F	2,793.8258514640	3,200.00
--	3	102	F#/Gb	2,959.9553816931	3,300.00
--	3	103	G	3,135.9634878540	3,400.00
--	3	104	G#/Ab	3,322.4375806396	3,500.00
--	3	105	A	3,520.0000000000	3,600.00
--	3	106	A#/Bb	3,729.3100921447	3,700.00
--	3	107	B	3,951.0664100490	3,800.00

octave 4

Octave Name	MIDI Octave	MIDI Note Number	Note Name	Frequency Hz	Absolute Cents
--	4	108	C	4,186.0090448096	3,900.00
--	4	109	C#/Db	4,434.9220956300	4,000.00
--	4	110	D	4,698.6362866785	4,100.00
--	4	111	D#/Eb	4,978.0317395533	4,200.00
--	4	112	E	5,274.0409106059	4,300.00
--	4	113	F	5,587.6517029281	4,400.00
--	4	114	F#/Gb	5,919.9107633862	4,500.00
--	4	115	G	5,919.9107633862	4,600.00
--	4	116	G#/Ab	6,644.8751612791	4,700.00
--	4	117	A	7,040.0000000000	4,800.00
--	4	118	A#/Bb	7,458.6201842894	4,900.00

| -- | 4 | 119 | B | 7,902.1328200980 | 5,000.00 |

octave 5

Octave Name	MIDI Octave	MIDI Note Number	Note Name	Frequency Hz	Absolute Cents
--	5	120	C	8,372.0180896192	5,100.00
--	5	121	$C^{\#}$/D^{b}	8,869.8441912599	5,200.00
--	5	122	D	9,397.2725733570	5,300.00
--	5	123	$D^{\#}$/E^{b}	9,956.0634791066	5,400.00
--	5	124	E	10,548.0818212118	5,500.00
--	5	125	F	11,175.3034058561	5,600.00
--	5	126	$F^{\#}$/G^{b}	11,839.8215267723	5,700.00
--	5	127	G	12,543.8539514160	5,800.00

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MIDI Note-on Message, MIDI Note-off Message

MIDI Note Number and Frequency Table