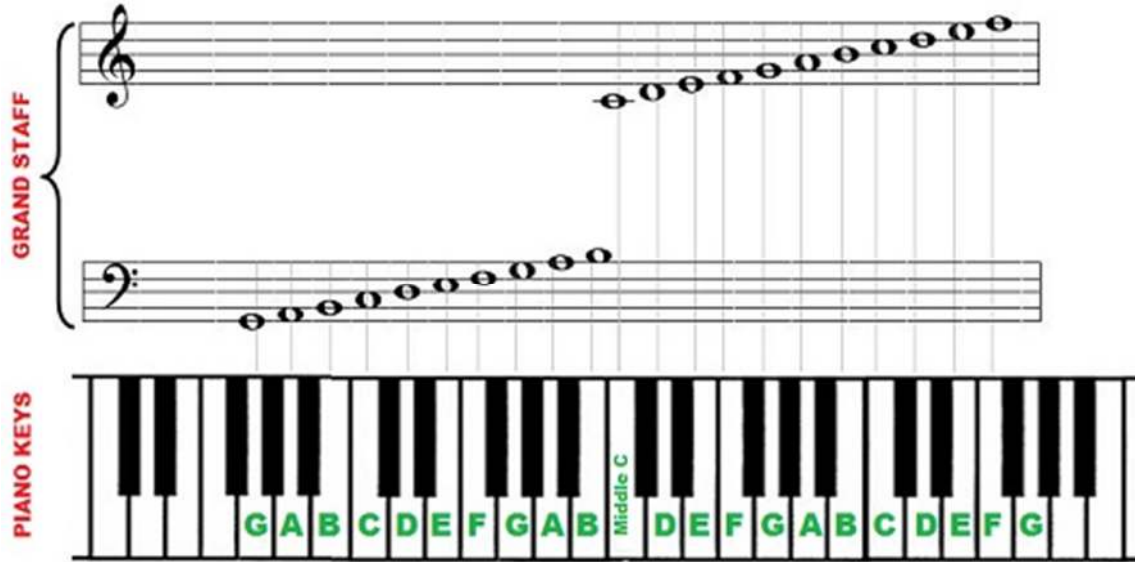


Note Frequency Lookup Table



Notes:

This reference sheet is intended for use with the Arduino embedded Tone Library.

Include the [‘pitches.h’](#) reference file in your workspace folder, which contains all of the note definitions, with some additions from me.

For example to play [Middle C](#) you would use the reference [NOTE_C4](#) in your code. Note durations in beats per minute (BPM) are set prior to playing a tune. For example [Moderato](#) is 114 bpm.

A0#	29.135	C1#	34.648	F1#	46.249	C2#	69.296	F2#	92.499	C3#	138.59	F3#	185.00	C4#	277.18	F4#	369.99	C5#	554.37	F5#	739.99	C6#	1108.7	F6#	1480.0	C7#	2217.5	F7#	2960.0		
		D1#	38.891	G1#	51.913	D2#	77.782	G2#	103.83	D3#	155.56	G3#	207.65	D4#	311.13	G4#	415.30	D5#	622.25	G5#	830.61	D6#	1244.5	G6#	1661.2	D7#	2489.0	G7#	3322.4		
		A1#	58.270	A1	55.000	E2	82.407	A2#	116.54	B2	123.47	A3	220.00	B3	245.94	A4	440.00	B4	493.88	A5	880.00	B5	987.77	A6	1760.0	B6	1979.5	A7	3520.0	B7	3951.1
				B1	61.735	B1	61.735			C3	130.81	B3	245.94	C4	261.63	B4	493.88	C5	523.25	B5	987.77	C6	1046.5	B6	1979.5	C7	2093.0	B7	3951.1		
				C2	65.406	D2	73.416			D3	146.83	C4	261.63	D4	293.66	C5	523.25	D5	587.33	C6	1046.5	D6	1174.7	C7	2093.0	D7	2349.3	C8	4186.0		
				D2#	77.782	E2	82.407			E3	164.81	D4	293.66	E4	329.63	D5	587.33	E5	659.25	D6	1174.7	E6	1318.5	D7	2349.3	E7	2637.0				
				F2#	92.499	G2	97.999			F3	174.61	G3	196.00	F4	349.23	G4	392.00	F5	688.46	G5	783.99	F6	1396.9	G6	1568.0	F7	2793.8	G7	3126.0		
				G2#	103.83	A2	110.00			A3	220.00	B3	245.94	A4	440.00	B4	493.88	A5	880.00	B5	987.77	A6	1760.0	B6	1979.5	A7	3520.0	B7	3951.1		
				A2#	116.54	B2	123.47			B3	245.94	C4	261.63	B4	493.88	C5	523.25	B5	987.77	C6	1046.5	B6	1979.5	C7	2093.0	B7	3951.1	C8	4186.0		

Middle C

Music Notation



Treble clef



Flat

BPM Rates:

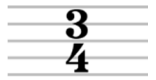
Larghissimo 24	MarciaModerato 84	(83-85)
Grave 35 (25-45)	AndanteModerato 102	(92-112)
Largo 50 (40-60)	Moderato 114	(108-120)
Lento 57 (45-60)	Allegretto 116	(112-120)
Larghetto 63 (60-66)	AllegroModerato 118	(116-120)
Adagio 69 (66-76)	Allegro 144	(120-168)
Adagletto 74 (72-76)	Vivace 172	(168-176)
Andante 92 (76-108)	Allegrissimo 174	(172-176)
Andantino 94 (80-108)	Presto 184	(168-200)



Base clef



Sharp



3 notes per measure,
quarter note beat rate



Natural

Note	Rest	British Name	American Name	Relative Value	Dotted Value	Variables:	
		semibreve	whole note	1	1 ½	D1	D32
		minim	half note	1/2	3/4	D2	D34
		crochet	quarter note	1/4	3/8	D4	D38
		quaver	eighth note	1/8	3/16	D8	D316
		semiquaver	sixteenth note	1/16	3/32	D16	D332