

Blue Temperament Mini Chord Dictionary  
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BT in cents...

0.0c, 121.6c, 200.7c, 313.5c, 388.4c, 501.2c, 580.4c,  
702.0c, 816.9c, 889.4c, 1012.5c, 1085.1c, 1200c.

BT in frequencies...

1.0, 1.072740, 1.122938, 1.198533, 1.25153, 1.335782,  
1.398289, 1.5, 1.602938, 1.671566, 1.794724, 1.871563,  
2.0.

Adjustments...

1st note	0.0 cents
2nd note	+21.6 cents
3rd note	+0.7 cents
4th note	+13.5 cents
5th note	-11.6 cents
6th note	+1.2 cents
7th note	-19.6 cents
8th note	+2.0 cents
9th note	+16.9 cents
10th note	-10.6 cents
11th note	+12.5 cents
12th note	-14.9 cents

List of good chords if tonic (1/1) is E...

E1	F#1	A#1	C1	
E1	F#1	A#1	D1	
E1	F#1	B1	D1	
E1	G1	A#1	C1	E2
E1	G1	A#1	C#1	E2
E1	G1	A#1	D1	
E1	G1	B1	D1	
E1	G1	B1	E2	
E1	G#1	B1	D1	
E1	G#1	B1	E2	
E1	G#1	C1	E2	
E1	G#1	C#1	E2	
E1	A1	B1	E2	
E1	A1	C1	E2	
E1	A1	C#1	E2	

F1	G#1	B1	D1	F2
F1	G#1	B1	D#1	F2
F1	G#1	B1	E2	
F1	G#1	C1	D#1	F2
F1	G#1	C1	E2	
F1	A1	B1	D#1	F2
F1	A1	B1	E2	
F1	A1	C1	D#1	F2
F1	A1	C1	E2	

F#1	A#1	C1	D#1	F#2	*
F#1	A#1	D1	F#2		
F#1	B1	D1	F#2		
F#1	B1	D#1	F#2		
F#1	A#1	C1	F#2	(subset of	*)
F#1	A#1	D#1	F#2	(subset of	*)
F#1	C1	D#1	F#2	(subset of	*)

G1	A#1	C1	E2	G2	*
G1	A#1	C#1	E2	G2	**
G1	A#1	D1	G2		
G1	B1	D1	G2		
G1	B1	E2	G2		
G1	A#1	C1	G2	(subset of	*)
G1	A#1	E2	G2	(subset of	*)
G1	C1	E2	G2	(subset of	*)
G1	A#1	C#1	G2	(subset of	**)
G1	A#1	E2	G2	(subset of	**)
G1	C#1	E2	G2	(subset of	**)

G#1	B1	D1	F2	G#2
G#1	B1	D1	F#2	
G#1	B1	D1	G#2	
G#1	B1	D#1	F2	G#2
G#1	B1	D#1	F#2	
G#1	B1	E2	F#2	
G#1	B1	E2	G#2	
G#1	C1	D#1	F2	
G#1	C1	D#1	F#2	
G#1	C1	E2	F#2	
G#1	C#1	E2	G#2	
G#1	C#1	F2	G#2	

A1	B1	D#1	F2	
A1	B1	E2	G2	
A1	C1	D#1	F2	A2
A1	C1	D#1	G2	
A1	C1	D#1	A2	
A1	C1	E2	G2	
A1	C1	E2	A2	
A1	C1	F2	A2	
A1	C#1	E2	G2	
A1	C#1	E2	A2	
A1	C#1	F2	A2	
A1	D#1	F2	A2	

A#1	C1	D#1	F#2	A#2
A#1	C1	D#1	G2	A#2
A#1	C1	E2	F#2	A#2
A#1	C1	E2	G2	A#2
A#1	C#1	E2	G2	A#2
A#1	D1	F#2		
A#1	D1	G2		

B1	D1	F2	G#2	B2
B1	D1	F#2	B2	
B1	D1	G2	B2	
B1	D1	G#2	B2	
B1	D#1	F2	G#2	B2
B1	D#1	F#2	A#2	
B1	D#1	F#2	B2	
B1	D#1	G2	A#2	
B1	D#1	G2	B2	
B1	E2	F#2	A#2	
B1	E2	F#2	B2	
B1	E2	G2	A#2	
B1	E2	G2	B2	
B1	E2	G#2	B2	

C1	D#1	F2	A2	C2
C1	D#1	F#2	A#2	C2
C1	D#1	G2	A#2	C2
C1	E2	F#2	A#2	C2
C1	E2	G2	A#2	C2
C1	E2	A2	C2	

C#1	E2	G2	A#2	C#2
C#1	E2	G2	B2	
C#1	E2	G#2	B2	
C#1	E2	G#2	C#2	
C#1	E2	A2	B2	
C#1	E2	A2	C#2	
C#1	E2	A#2	C#2	
C#1	F2	G#2	B2	
C#1	F2	A2	B2	
D1	F2	G#2	B2	D2 *
D1	F#2	B2	D2	
D1	G2	B2	D2	
D1	G2	C#2		
D1	G#2	C#2		
D1	F2	G#2	D2	(subset of *)
D1	F2	B2	D2	(subset of *)
D1	G#2	B2	D2	(subset of *)
D#1	F2	G#2	B2	D#2
D#1	F2	G#2	C2	D#2
D#1	F2	A2	B2	D#2
D#1	F2	A2	C2	D#2
D#1	F#2	A#2	C2	D#2
D#1	F#2	B2	D#2	
D#1	G2	A#2	C2	
D#1	G2	B2		

The best chords are generally those where the lowest and highest notes are exactly one octave apart and the key of these chords will in most, if not all cases, be the lowest or highest note or both.

For dense chords (with four or five notes) most will sound sweeter when one or two notes are omitted. In the case of a five note chord where the lowest and highest notes are one octave apart, keep the lowest and highest notes and omit one or two of the other three notes in any combination you like. For four note chords where the lowest and highest notes are one octave apart then keep the lowest and highest notes and omit either one of the other two notes.

All subsets of the chords listed here should be good. All good intervals are within 6.776 cents (256/255) accuracy.

John O'Sullivan    28th November, 2010.