

### Finale Transposition Table

Transposition	Written As	(Interval, Key Alter)	Instruments Using Transposition
C	Down 2 Octaves	(-14,0)	Glockenspiel
↕	↕	↕	↕
D $\flat$	Down Oct.+m2, add 5 sharps	(-8,5)	Piccolo in D $\flat$
C $\sharp$	Down A1, add 7 flats	(-7,-7)	
<b>C</b>	<b>Down 1 Octave</b>	<b>(-7,0)</b>	Piccolo, Celesta, Xylophone, Handbells
C $\flat$	Down d8, add 7 sharps	(-7,7)	
B $\sharp$	Down A7, add 12 flats	(-6,-12)	
B	Down M7, add 5 flats	(-6,-5)	
B $\flat$	Down m7, add 2 sharps	(-6,2)	Piccolo Trumpet in B $\flat$ , Soprillo Sax
A $\sharp$	Down A6, add 10 flats	(-5,-10)	(Use with B $\flat$ instruments to get G $\flat$ maj. in concert E maj.)
A	Down M6, add 3 flats	(-5,-3)	Piccolo Trumpet in A
A $\flat$	Down m6, add 4 sharps	(-5,4)	Clarinet in A $\flat$
G $\sharp$	Down A5, add 8 flats	(-4,-8)	
G	Down P5, add 1 flat	(-4,-1)	Piccolo Trumpet in G
G $\flat$	Down d5, add 6 sharps	(-4,6)	
F $\sharp$	Down A4, add 6 flats	(-3,-6)	
F	Down P4, add 1 sharp	(-3,1)	Trumpet in F
F $\flat$	Down d4, add 8 sharps	(-3,8)	
E $\sharp$	Down A3, add 11 flats	(-2,-11)	(Use with F instruments to get G $\flat$ maj. in concert B maj.)
E	Down M3, add 4 flats	(-2,-4)	
<b>E<math>\flat</math></b>	<b>Down m3, add 3 sharps</b>	<b>(-2,3)</b>	Clarinet in E $\flat$ , Flute in E $\flat$ , Trumpet in E $\flat$ , Soprano Cornet, Sopranino Sax
D $\sharp$	Down A2, add 9 flats	(-1,-9)	(Use with E $\flat$ instruments to get G $\flat$ maj. in concert A maj.)
<b>D</b>	<b>Down M2, add 2 flats</b>	<b>(-1,-2)</b>	Clarinet in D, Trumpet in D
D $\flat$	Down m2, add 5 sharps	(-1,5)	Flute in D $\flat$

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Transposition	Written As	(Interval, Key Alter)	Instruments Using Transposition
<b>C#</b>	Down A1, add 7 flats	(0,-7)	
<b>C</b>	--None--	<b>(0,0)</b>	Concert Pitch, Horn in C Alto, Trumpet in C, Clarinet in C
<b>Cb</b>	Up A1, add 7 sharps	(0,7)	
<b>B#</b>	Up d2, add 12 flats	(1,-12)	
<b>B</b>	Up m2, add 5 flats	(1,-5)	Horn in B natural Alto
<b>Bb</b>	<b>Up M2, add 2 sharps</b>	<b>(1,2)</b>	Clarinet in Bb, Trumpet in Bb, Soprano Sax, Horn in Bb Alto, Flugelhorn
<b>A#</b>	Up d3, add 10 flats	(2,-10)	(Use with Bb instruments to get Gb maj. in concert E maj.)
<b>A</b>	<b>Up m3, add 3 flats</b>	<b>(2,-3)</b>	Clarinet in A, Horn in A, Oboe d'Amore
<b>Ab</b>	Up M3, add 4 sharps	(2,4)	Horn in Ab
<b>G#</b>	Up d4, add 8 flats	(3,-8)	
<b>G</b>	<b>Up P4, add 1 flat</b>	<b>(3,-1)</b>	Horn in G, Alto Flute
<b>Gb</b>	Up A4, add 6 sharps	(3,6)	Horn in Gb
<b>F#</b>	Up d5, add 6 flats	(4,-6)	
<b>F</b>	<b>Up P5, add 1 sharp</b>	<b>(4,1)</b>	Horn in F, English Horn, Basset Horn
<b>Fb</b>	Up A5, add 8 sharps	(4,8)	
<b>E#</b>	Up d6, add 11 flats	(5,-11)	(Use with F instruments to get Gb maj. in concert B maj.)
<b>E</b>	Up m6, add 4 flats	(5,-4)	Horn in E
<b>Eb</b>	<b>Up M6, add 3 sharps</b>	<b>(5,3)</b>	Alto Clarinet, Alto Sax, Alto Horn (also called Tenor Horn, Eb Horn or Althorn), Horn in Eb
<b>D#</b>	Up d7, add 9 flats	(6,-9)	(Use with Eb instruments to get Gb maj. in concert A maj.)
<b>D</b>	Up m7, add 2 flats	(6,-2)	Horn in D
<b>Db</b>	Up M7, add 5 sharps	(6,5)	Horn in Db

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<b>C#</b>	Up d8, add 7 flats	(7,-7)	
<b>C</b>	<i>Up 1 Octave</i>	<b>(7,0)</b>	Double Bass, Contrabassoon, Horn in C, Guitar, Bass Flute, Baritone Oboe, Hecklephone, Bass Trumpet in C
<b>Cb</b>	Up Oct.+A1, add 7 sharps	(7,7)	
<b>B#</b>	Up Oct.+d2, add 12 flats	(8,-12)	
<b>B</b>	Up Oct.+m2, add 5 flats	(8,-5)	Horn in B natural
<b>Bb</b>	<i>Up Oct.+M2, add 2 sharps</i>	<b>(8,2)</b>	Tenor Sax, Bass Clarinet in Bb, Horn in Bb basso, Bass Trumpet in Bb, Baritone $\text{♩}$ , Euphonium $\text{♩}$ , Tenor Trombone $\text{♩}$
<b>A#</b>	Up Oct.+d3, add 10 flats	(9,-10)	(Use with Bb instruments to get Gb maj. in concert E maj.)
<b>A</b>	Up Oct.+m3, add 3 flats	(9,-3)	Bass Clarinet in A, Horn in A basso
<b>Ab</b>	Up Oct.+M3, add 4 sharps	(9,4)	Horn in Ab basso
<b>G#</b>	Up Oct.+d4, add 4 sharps	(10,-8)	
<b>G</b>	Up Oct.+P4, add 1 flat	(10,-1)	
<b>Gb</b>	Up Oct.+A4, add 6 sharps	(10,6)	
<b>F#</b>	Up Oct.+d5, add 6 flats	(11,-6)	
<b>F</b>	Up Oct.+P5, add 1 sharp	(11,1)	
<b>Fb</b>	Up Oct.+A5, add 8 sharps	(11,8)	
<b>E#</b>	Up Oct.+d6, add 11 flats	(12,-11)	(Use with F instruments to get Gb maj. in concert B maj.)
<b>E</b>	Up Oct.+m6, Add 3 flats	(12,-4)	
<b>Eb</b>	<i>Up Oct.+M6, add 3 sharps</i>	<b>(12,3)</b>	Baritone Sax, Contralto Clarinet, Bass (tuba) $\text{♩}$ in Eb
<b>D#</b>	Up Oct.+d7, add 3 sharps	(13,-9)	(Use with Eb instruments to get Gb maj. in concert A maj.)
<b>D</b>	Up Oct.+m7, Add 2 flats	(13,-2)	
<b>Db</b>	Up Oct.+M7, add 5 sharps	(13,5)	

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Transposition	Written As	(Interval, Key Alter)	Instruments Using Transposition
C#	Up Oct.+d8, add 7 flats	(14,-7)	
C	Up two Octaves	(14,0)	
Cb	Up 2 Oct.+A1, add 7 sharps	(14,7)	
B#	Up 2 Oct.+d2, add 12 flats	(15,-12)	
B	Up 2 Oct.+m2, add 5 flats	(15,-5)	
Bb	Up 2 Oct.+M2, add 2 sharps	(15,2)	Bass Sax, Contrabass Clarinet, Bass (tuba) $\text{♩}$ in Bb
↕	↕	↕	↕
Eb	Up 2 Oct.+M6, add 3 sharps	(19,3)	Contrabass Sax
↕	↕	↕	↕
Bb	Up 2 Oct.+M2, add 2 sharps	(22,2)	Subcontrabass Sax, Tubax

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**Index of Instruments and Transpositions**

<b>Alphabetical List of Instruments</b>	<b>Transposition</b>
Althorn	E $\flat$ (5,3)
Baritone $\text{♩}$	B $\flat$ (8,2)
Bass (tuba) $\text{♩}$ in B $\flat$	B $\flat$ (15,2)
Bass (tuba) $\text{♩}$ in E $\flat$	E $\flat$ (12,3)
Basset Horn	F (4,1)
Celesta	C (-7,0)
Clarinet in A	A (2,-3)
Clarinet in A $\flat$	A $\flat$ (-5,4)
Clarinet in B $\flat$	B $\flat$ (1,2)
Clarinet in C	C (0,0)
Clarinet in D	D (-1,-2)
Clarinet in E $\flat$	E $\flat$ (-2,3)
Clarinet, Alto	E $\flat$ (5,3)
Clarinet, Bass in A	A (9,-3)
Clarinet, Bass in B $\flat$	B $\flat$ (8,2)
Clarinet, Contrabass	B $\flat$ (15,2)
Clarinet, Contralto in E $\flat$	E $\flat$ (12,3)
Contrabassoon	C (7,0)
Cornet, Soprano	E $\flat$ (-2,3)
Double Bass	C (7,0)
English Horn	F (4,1)
Euphonium $\text{♩}$	B $\flat$ (8,2)
Flugelhorn	B $\flat$ (1,2)
Flute in D $\flat$	D $\flat$ (-1,5)
Flute in E $\flat$	E $\flat$ (-2,3)
Flute, Alto	G (3,-1)
Flute, Bass	C (7,0)
Glockenspiel	C (-14,0)
Guitar	C (7,0)
Handbells	C (-7,0)
Hecklephone	C (7,0)
Horn in A	A (2,-3)
Horn in A basso	A (9,-3)
Horn in A $\flat$	A $\flat$ (2,4)
Horn in A $\flat$ basso	A $\flat$ (9,4)
Horn in B natural	B (8,-5)
Horn in B natural Alto	B (1,-5)
Horn in B $\flat$ Alto	B $\flat$ (1,2)
Horn in B $\flat$ basso	B $\flat$ (8,2)
Horn in C	C (7,0)
Horn in C Alto	C (0,0)
Horn in D	D (6,-2)
Horn in D $\flat$	D $\flat$ (6,5)

**Index of Instruments and Transpositions**

<b>Alphabetical List of Instruments</b>	<b>Transposition</b>
Horn in E	E (5,-4)
Horn in Eb	E $\flat$ (5,3)
Horn in F	F (4,1)
Horn in G	G (3,-1)
Horn in G $\flat$	G $\flat$ (3,6)
Horn, Alto	E $\flat$ (5,3)
Horn, Tenor	E $\flat$ (5,3)
Oboe d'Amore	A (2,-3)
Oboe, Baritone	C (7,0)
Piccolo	C (-7,0)
Piccolo in D $\flat$	D $\flat$ (-8,5)
Sax, Alto	E $\flat$ (5,3)
Sax, Baritone	E $\flat$ (12,3)
Sax, Bass	B $\flat$ (15,2)
Sax, Contrabass	E $\flat$ (19,3)
Sax, Soprano	E $\flat$ (-2,3)
Sax, Soprano	B $\flat$ (1,2)
Sax, Soprallo	B $\flat$ (-6,2)
Sax, Subcontrabass	B $\flat$ (22,2)
Sax, Tenor	B $\flat$ (8,2)
Trombone, Tenor $\text{tr}$	B $\flat$ (8,2)
Trumpet in B $\flat$	B $\flat$ (1,2)
Trumpet in C	C (0,0)
Trumpet in D	D (-1,-2)
Trumpet in Eb	E $\flat$ (-2,3)
Trumpet in F	F (-3,1)
Trumpet, Bass in B $\flat$	B $\flat$ (8,2)
Trumpet, Bass in C	C (7,0)
Trumpet, Piccolo in A	A (-5,-3)
Trumpet, Piccolo in B $\flat$	B $\flat$ (-6,2)
Trumpet, Piccolo in G	G (-4,-1)
Tubax	B $\flat$ (22,2)
Xylophone	C (-7,0)

## Finale Transposition Table Technical Notes

The table summarizes the various transpositions obtainable using the **Staff Transpositions** dialog box. The columns of the table are:

- Transposition name, showing all the enharmonic spellings available using a single semitone, either up or down.
- Written As, showing the true musical interval to be applied to produce the written transposition.
- The Finale **Interval** and **Key Alter** values as an ordered pair (Interval, Key alter).
- Usage showing various instruments that use the given transposition. A supplemental table is provided that lists all the instruments in alphabetical order along with their respective transposition as a reference back into the main transposition table.

Additional points about the table worth noting:

- Values supplied by Make Music are shown in ***bold and italics***.
- The table is **independent** of both instrument and any key signature that may be present before the transposition is applied.
- **Key Signature** transpositions are used in **all** cases.
- The list of instruments shown in the Usage column is **not** all inclusive.
- The table is organized by increasing interval number from -14 to + 22. Breaks in the order are indicated with a ↕.
- The table is **not** all inclusive regarding the (Interval, Key Alter) ordered pairs. There are many other esoteric ordered pairs that are possible and that produce the correct results. These are not listed in the table, but can be determined by applying the rules listed below.

Standard abbreviations used in the descriptions:

- M – major
- m – minor
- A – augmented
- d – diminished
- P – perfect
- All numerals are the standard music theory intervals

Additional rules that can be applied to **any** (Interval, Key Alter) ordered pair values:

- Subtract one from the interval and add 12 to the key alter value. Note that this rule can be applied to change a key signature containing 5, 6, or 7 sharps to its enharmonic equivalent in flats. In this case the Simplify Key checkbox must be left unchecked.
- Add one to the interval and subtract 12 from the key alter value. Note that this rule can be applied to change a key signature containing 5, 6, or 7 flats to its enharmonic equivalent in sharps. In this case the Simplify Key checkbox must be left unchecked.
- Each addition or subtraction of 7 to the interval value will result in the transposition moving up or down one octave respectfully. This can be repeated as many times as desired.

I would like to acknowledge the help and assistance of the following people in the design and contents of this table:

- Kenneth Amis of Amis Musical Circle, and a MakeMusic forum member. <http://www.AmisMusicalCircle.com>
- Motet, a MakeMusic forum member.
- Flint, a MakeMusic forum member.
- Peter Thomsen, a MakeMusic forum member.

I take full responsibility for the contents of this table. Any errors, omissions, or inconsistencies are mine. Please email me if you find any such problems with the chart. [charlesolawrence@bellsouth.net](mailto:charlesolawrence@bellsouth.net)

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