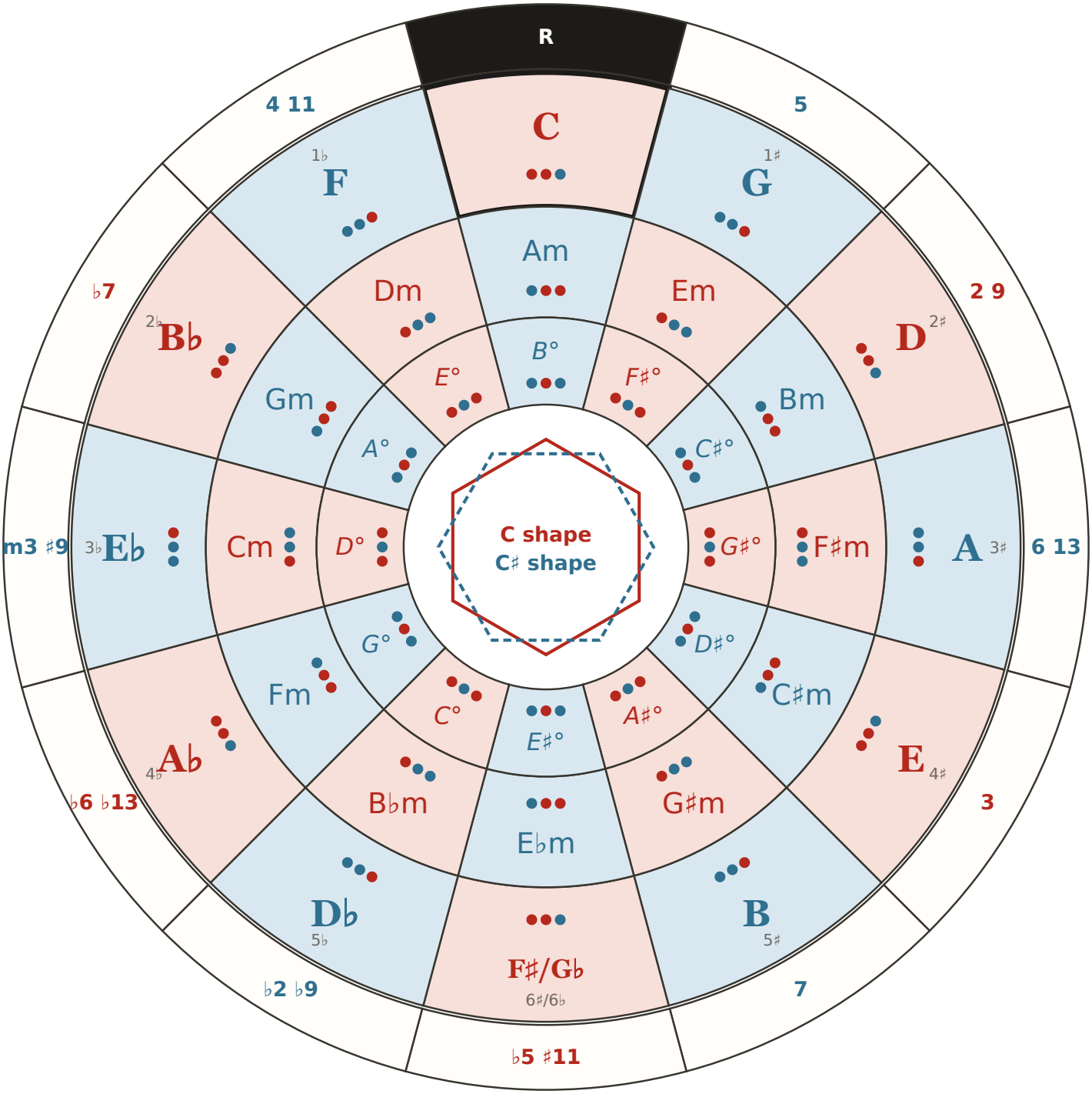


Inversions in Roman numerals

	Bass	Figured bass triad · 7th	Inversion no. xharp house style	Slash jazz / pop	Example in C
Root	root	I · V7	V · V7	V	G B D (F)
1st	3rd	I^6 · V^6_5	V^1 · $V7^1$	V/3 · G/B	B D (F) G
2nd	5th	I^6_4 · V^4_3	V^2 · $V7^2$	V/5 · G/D	D (F) G B
3rd	7th	— · V^4_2	$V7^3$	V7/♭7 · G7/F	F G B D

An inversion never changes the colours: every note stays on its row; only its hand and octave move.

Triads

I5	C5	C G	●●	1+1
I	C	C E G	●●●	2+1
i	Cm	C E♭ G	●●●	1+2
i°	C°	C E♭ G♭	●●●	2+1
I+	C+	C E G♯	●●●	3+0
Isus2	Csus2	C D G	●●●	2+1
Isus4	Csus4	C F G	●●●	1+2

6ths and added notes

I6	C6	C E G A	●●●●	2+2
i6	Cm6	C E♭ G A	●●●●	1+3
Iadd9	Cadd9	C E G D	●●●●	3+1
i(add9)	Cm(add9)	C E♭ G D	●●●●	2+2
I6/9	C6/9	C E G A D	●●●●●	3+2

7ths

Imaj7	Cmaj7	C E G B	●●●●	2+2
I7	C7	C E G B♭	●●●●	3+1
i7	Cm7	C E♭ G B♭	●●●●	2+2
i(maj7)	Cm(maj7)	C E♭ G B	●●●●	1+3
iø7	Cø7	C E♭ G♭ B♭	●●●●	3+1
i°7	C°7	C E♭ G♭ A	●●●●	2+2
I7sus4	C7sus4	C F G B♭	●●●●	2+2
I+maj7	Cmaj7♯5	C E G♯ B	●●●●	3+1
Imaj7♭5	Cmaj7♭5	C E G♭ B	●●●●	3+1
I+7	C7♯5	C E G♯ B♭	●●●●	4+0
I7♭5	C7♭5	C E G♭ B♭	●●●●	4+0

9ths

Imaj9	Cmaj9	C E G B D	●●●●●	3+2
I9	C9	C E G B♭ D	●●●●●	4+1
i9	Cm9	C E♭ G B♭ D	●●●●●	3+2
i(maj9)	Cm(maj9)	C E♭ G B D	●●●●●	2+3
iø9	Cø9	C E♭ G♭ B♭ D	●●●●●	4+1
I9sus4	C9sus4	C F G B♭ D	●●●●●	3+2
I7♭9	C7♭9	C E G B♭ D♭	●●●●●	3+2
I7♯9	C7♯9	C E G B♭ D♯	●●●●●	3+2
I+9	C9♯5	C E G♯ B♭ D	●●●●●	5+0
I9♭5	C9♭5	C E G♭ B♭ D	●●●●●	5+0
I7sus4♭9	C7sus4♭9	C F G B♭ D♭	●●●●●	2+3

11ths

I11	C11	C G B♭ D F	●●●●●	3+2
i11	Cm11	C E♭ G B♭ D F	●●●●●●	3+3
Imaj7♯11	Cmaj7♯11	C E G B F♯	●●●●●	3+2
I7♯11	C7♯11	C E G B♭ F♯	●●●●●	4+1
Imaj9♯11	Cmaj9♯11	C E G B D F♯	●●●●●●	4+2
I9♯11	C9♯11	C E G B♭ D F♯	●●●●●●	5+1

13ths

Imaj13	Cmaj13	C E G B D A	●●●●●●	3+3
I13	C13	C E G B♭ D A	●●●●●●	4+2
i13	Cm13	C E♭ G B♭ D F A	●●●●●●●	3+4
I13♭9	C13♭9	C E G B♭ D♭ A	●●●●●●	3+3
I13♯11	C13♯11	C E G B♭ D F♯ A	●●●●●●●	5+2
I7♭9♭13	C7♭9♭13	C E G B♭ D♭ A♭	●●●●●●	4+2
I7♯9♭13	C7♯9♭13	C E G B♭ D♯ A♭	●●●●●●	4+2

Altered and quartal

I7alt	C7alt	C E B♭ D♭ D♯ F♯ A♭	●●●●●●●	5+2
I+7♯9	C7♯9♯5	C E G♯ B♭ D♯	●●●●●	4+1
I quartal	C quartal	C F B♭ E♭	●●●	2+2
I So What	C So What	C F B♭ E♭ G	●●●●●	2+3

Reading the Tonnetz

- Rows: fifths. Down-right: major thirds, each one string row (red or blue stripe). Down-left: minor thirds.
- ▽ major, △ minor. Every triad is 2 notes on one stripe + 1 on the next.
- **R** C → Am: G → A, whole step, same row.
- **P** C → Cm: E → E♭, half step, changes row.
- **L** C → Em: C → B, half step, changes row.

Tonnetz: C major and its P, L, R neighbours

