



# LilyPond - Music Typesetting

## Basic usage - LilyPond Version 2.14

Cheatsheet by R. Kainhofer, Edition Kainhofer, <http://www.edition-kainhofer.com/>



### Command-line usage

```
lilypond [-l LOGLEVEL] [-dSCMOPTIONS] [-o OUTPUT] [-V] FILE.ly [FILE1.ly]
```

#### Common options:

--pdf, --png, --ps	Output file format	-dax-files=#f	No .tex, .texi, .count files
-dbackend=eps	Use different backend	-dpreview	Cropped "preview" image
-l LOGLEVEL	ERR/WARN/PROG/DEBUG	-dpixmap-format=pngalpha	transparent PNG
-o OUTDIR	Name of output dir/file	-dlog-file=FILE	Create .log file
-V	Verbose output	-dno-point-and-click	No Point & Click info

### General Syntax

<code>\xxxx</code>	function or variable
<code>{ ... }</code>	Code grouping
<code>var = {c'4 d'}</code>	Variable assignment
<code>\version "2.14.0"</code>	LilyPond version
<code>% ...</code>	Comment
<code>%{ ... }%</code>	Block comment
<code>c1   d2 e  </code>	Bar checks
<code>#'(...), ##t, #'sym</code>	Scheme list, true, symb.

### Basic Notation

	c d e f g a b	Note names (Dutch)
	\relative c' {c f d' c,}	Relative mode (change less than a fifth), raise/lower one octave
	g1 g2 g4 g8 g16 g4. g4..	durations (1, 2, 4, 8, 16, ...); append "." for dotted note
	cis bes as cisis beses b b! b?	Alterations: -is/-es for sharp/flat, -isis/-eses for double, ! forces, ? shows cautionary accidental
	\clef "treble" \clef "bass" \clef "tenor" \clef "treble_8"	Clefs
	\time 4/4 \time 2/2 \time 3/4 \time 3/8	Time signature
	\key c \minor \key b \dorian \key c \major	Key signature
	<c e g>4 <f c'> q2	Chords
	c4~ c c2~ c4 <c a f>~ c	Tie
	c( a) c\ ( b( a) g f\)	Slur / Phrasing slur
	g8 g8 g8[ g g] g8[ g16 g16]	Beaming
	r2 r4 r4. r4.. r8 r16 r32	rests: r like a note name
	R1   R1*3   \time 3/4 R2.*4	Full-/Multimeasure rests: R (with exact duration)
	g\p< a b c\f\cresc d e\!	Dynamics, hairpins, text crescendo
	c1 \repeat volta 2 { d } \alternative { {e1} {f} } g	Repeats
	\partial 8 c8   c1   d \bar{" "} c \bar{" "}.	Partial measure, bar check, bar lines
	c4-> c-. c^  c^ -_+ c\trill c\marcato	Articulations
	\tempo "Adagio" 4=60 c1 c c \mark \default c	Tempo, marks
	\grace d8 c4 \appoggiatura d8 c4 \acciaccatura d8 c4	Grace notes
	\times 2/3 {c8 d e} \times 4/5 {c d e d c}	Triplet, tuplets
	<<{a2 c4 a}\{f4 g4 f2}>>	Parallel music



# LilyPond - Advanced Tweaking

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Markup commands

Pitch commands

```
\transpose from to music
\ottava #(-2|-1|0|1|)
\transposition pitch-for-written-c'
#(set-accidental-style 'style' ctxt)
```

Grobs and Grob Properties

NoteHead

#'style = #'(cross|harmonic|slash|default|...)

Other grob

Vertical spacing

V spacing

Useful Context properties

Header fields

header fields

Paper fields

paper block

Quoting other voices, Cue notes

Quoting

Note names in the most common languages

Select with: `\language "italiano"`, default is "nederlands"

Language	Note names	accidentals
nederland:	c d e f g a bes b	-is -es -isis -eses
deutsch	c d e f g a b h	-is -es -isis -eses
english	c d e f g a bf b	-s/-sharp -f/-flat -ss/-x -ff
espanol	do re mi fa sol la sib si	-s -b -ss/-x -bb
italiano	do re mi fa sol la sib si	-d -b -dd -bb