

LilyPond

The music typesetter

Changes

The LilyPond development team

This document lists changes and new features in LilyPond version 2.25.3 since 2.24.

For more information about how this manual fits with the other documentation, or to read this manual in other formats, see Section “Manuals” in *General Information*.

If you are missing any manuals, the complete documentation can be found at <https://lilypond.org/>.

This document has been placed in the public domain.

For LilyPond version 2.25.3

Note: LilyPond releases can contain syntax changes, which may require modifications in your existing files written for older versions so that they work in the new version. To upgrade files, it is **strongly recommended** to use the `convert-ly` tool distributed with LilyPond, which is described in Section “Updating files with `convert-ly`” in *Application Usage*. `convert-ly` can perform almost all syntax updates automatically. Frescobaldi users can run `convert-ly` directly from Frescobaldi using “Tools > Update with `convert-ly`...”. Other editing environments with LilyPond support may provide a way to run `convert-ly` graphically.

Major changes in LilyPond

- Margins are now wider by default following the general layout of several publishers (and the recommendations of Elaine Gould).
- Instead of generating PostScript or SVG output by itself, LilyPond can now use the Cairo library to produce its output. This is referred to as the ‘Cairo backend’, and can be turned on using the `-dbackend=cairo` command-line option. This works for all output formats (PDF, SVG, PNG, PostScript), and brings speed and rendering fidelity improvements in SVG output in particular. However, keep in mind that this backend does not yet implement all features of the default backends. Among the features not currently supported are PDF outlines, the `-dembed-source-code` option for PDF, and the `output-attributes` property for SVG.

New for musical notation

Pitches improvements

None so far.

Rhythm improvements

- The new option `span-all-note-heads` may be used to make tuplet brackets span all note heads (not just the stems) as recommended by Gould and Ross.



- Using the new `printInitialRepeatBar` property, it is possible to make a start repeat bar line automatically printed even at the beginning of the piece.



Expressive mark improvements

- Two new variant glyphs for breathing signs are available: `'laltcomma'` and `'raltcomma'`. These glyphs represent the old shapes of `'lcomma'` and `'rcomma'`, respectively, before changing them to more common shapes.

```
{
  \override BreathingSign.text =
    \markup { \musicglyph "scripts.raltcomma" }
  f'2 \breathe f' |
}
```



Repeat improvements

None so far.

Editorial annotation improvements

None so far.

Text improvements

None so far.

New for specialist notation

None so far.

Miscellaneous improvements

- Embedding PNG images is now supported using the new `\image` markup command. This supplements the existing `\epsfile` command for EPS images.
`\image` works for both PNG and EPS images. For EPS images, the difference between using `\image` and `\epsfile` is that `\image` adds a white background by default, while `\epsfile` does not.
- The new `\qr-code` markup command inserts a QR code of the specified size for the specified URL. This can be used to link to, e.g., the website of a composer or publisher, the LilyPond source files for the score, recordings, etc.

```
\markup \qr-code #10 "https://lilypond.org"
```

