

Lyluatex

Usage

In the preamble of your document, include the package `lyluatex`:

```
\usepackage{lyluatex}
```

The `program` option permits the definition of an alternative path to `lilypond`, for example:

```
\usepackage[program=/opt/lilypond-dev/lilypond]{lyluatex}
```

Thereafter, you can include a lilypond file with the command:

```
\includely[staffsize=17]{PATH/TO/THE/FILE}
```

The argument `staffsize`, which is optional, changes the size of the score. You can change the size for all the subsequent scores in a document by placing the following command before your first include statement to be so affected:

```
\def\staffsize{24}
```

Next, you simply need to compile the document normally with the command `lualatex -shell-escape` :

```
lualatex -shell-escape DOCUMENT.TEX
```

Another “more secure” option is to add `lilypond` to default allowed commands :

```
shell_escape_commands=$(kpsewhich -expand-var '$shell_escape_commands'),lilypond lualatex D
```

On systems with low RAM, when working on big documents, you could encounter *buffer overflows* in `lilypond` calls. In that case, first compile with option `-draftmode`, then compile again without this option.

You can also input music directly into your document with the `ly` environment. This is only recommended for relatively short snippets. For example:

```
\begin{ly}
\relative c' { c d e f g a b c }
\end{ly}
```

Finally, for truly short snippets, there is also the `\lily` command. Example:

```
\lily[staffsize=12]{c' d' g'}
```

Nota bene: The `\lily` command *does not* support blocks of LilyPond code with explicit `\score` blocks. Such code must be included with the `ly` environment or as a separate file.

Migration from `lilypond-book`

In order to facilitate the migration from `lilypond-book`, `lyluatex` defines the command `\lilypondfile` with the same arguments as `\includely`. There is also the environment `lilypond` which is the same as `ly`, and the command `\lilypond` should work as with `lilypond-book`.

In this manner, documents typeset with `lilypond-book` can be adapted to use `lyluatex` without much difficulty. Just keep in mind that apart from the `staffsize` parameter, the optional parameters that `lilypond-book` supports are not supported by `lyluatex` (at least for now).