

# The `l3opacity` package

## Experimental opacity (transparency) support

The L<sup>A</sup>T<sub>E</sub>X Project\*

Released 2021-07-12

## 1 Selecting opacity

Opacity (transparency) shares many characteristics with color. However, limitations in terms of backends mean that it is not always possible to use a dedicated stack for tracking opacity. The best results when breaking pages are therefore likely to result using direct PDF output (pdfT<sub>E</sub>X, LuaT<sub>E</sub>X) or with recent versions of (x)dvipdfmx: these backends do offer the necessary support.

For users of PostScript-based routes, note that there are security restrictions which can prevent opacity being available in output. In particular, using Adobe Distiller, you will need to enable transparency in the (text-based) configuration: this is not selectable from the GUI.

<code>\opacity_select:n</code>	<code>\opacity_select:n {&lt;expression&gt;}</code>
New: 2021-07-01	Evaluates the $\langle expression \rangle$ , which should yield a value in the range $[0, 1]$ . This is then activated as an opacity for both filling and stroking.
<code>\opacity_fill:n</code> <code>\opacity_stroke:n</code>	<code>\opacity_fill:n {&lt;expression&gt;}</code>
New: 2021-07-01	Evaluates the $\langle expression \rangle$ , which should yield a value in the range $[0, 1]$ . This is then activated as an opacity for filling or stroking, respectively.

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