

# The `customenvs-icons` package (0.1.1) – September 6, 2025

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<https://github.com/cpierquet/latex-packages/tree/main/customenvs> (LATEX package)

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This package provides L<sup>A</sup>T<sub>E</sub>X support for various icons:

- <https://www.svgrepo.com/collection/education-vectors/>;
- <https://www.svgrepo.com/collection/design-8/>;
- <https://www.svgrepo.com/collection/math-symbols-4>.

To use `customenvs-icons` in your document, include the package with `\usepackage{customenvs-icons}` or `\usepackage{customenvs}` for whole `customenvs` package.

An icon can be accessed using the icon name. A list of all included icons with their respective *page* can be found at the end of this document.

## 1 Example

```
...
\usepackage{customenvs-icons}
...
\begin{document}
...
Inline \ceicon{brush} version
...
\end{document}
```

Result: Inline  version

## 2 Usage

### 2.1 Generic macro

```
\ceicon%
[educ=TF,design=TF,mathdesign=TF,height=..., (d)strut=...]%
<includegraphics options>%
{name}
```



The boolean `[educ]` (`true` by default) activate `educ` version of icon, and the boolean `[design]` (`false` by default) activate `educ` version of icon. And key `[height=...]` can be:

- `dauto` (by default): inline insertion with height/depth;
- `auto`: inline insertion with height/noddepth;

- `a length`: normal insertion with fixed height;
- `manuel height/depth`: normal insertion with fixed height/depth.

The keys `[(d)strut=...]` can be used to set the *reference* box for dimension calculations.

By default, some icons are given with a small border, so the given height is the height of the *full* box, not the height of the icons.

Example: Inline  version or inline  version.

## 2.2 Examples

```
%normal version: inline with automatic height/depth (from qX characters)
\ceicon[height=dauto]{brush} %or \ceicon{brush}
```

qX

```
%normal version: inline with automatic height/depth (from specified characters)
(q\ceicon[height=dauto,dstrut=(qB)]{brush}B)
```

(qB)

```
%normal version: inline with automatic height (from X character) default version
\ceicon[height=auto]{brush}
```

X  
X

```
%normal version: inline with manual height/depth
\ceicon[height={0.8em/-0.4em}]{brush}
```

qbXz

```
%fixed height
\ceicon[height=2in]{brush}
```



## 2.3 Used packages

`ifthen`, `calc`, `graphicx`, `xstring` and `simplekv` are loaded and used by the package.





































## 2.4 Bugs





For bug reports and feature requests, report on the GitHub repository <https://github.com/cpierquet/latex-packages/issues>.

### 3 List of icons

#### 3.1 Educ version (40 icons)
































The PDF file is `ce-educationvectors-all.pdf`






























Icon	Name	Direct command	PDF page
	<i>abacus</i>	<code>\ceicon{abacus}</code>	1
	<i>trophy</i>	<code>\ceicon{trophy}</code>	2
	<i>atomic</i>	<code>\ceicon{atomic}</code>	3
	<i>seoweb</i>	<code>\ceicon{seoweb}</code>	4
	<i>backbag</i>	<code>\ceicon{backbag}</code>	5
	<i>balls</i>	<code>\ceicon{balls}</code>	6
	<i>blackboard</i>	<code>\ceicon{blackboard}</code>	7
	<i>bookcourses</i>	<code>\ceicon{bookcourses}</code>	8
	<i>compass</i>	<code>\ceicon{compass}</code>	9
	<i>genetic</i>	<code>\ceicon{genetic}</code>	10
	<i>idea</i>	<code>\ceicon{idea}</code>	11
	<i>microscop</i>	<code>\ceicon{microscop}</code>	12
	<i>pencilcase</i>	<code>\ceicon{pencilcase}</code>	13
	<i>puzzle</i>	<code>\ceicon{puzzle}</code>	14
	<i>ruler</i>	<code>\ceicon{ruler}</code>	15
	<i>shoes</i>	<code>\ceicon{shoes}</code>	16
	<i>studyy</i>	<code>\ceicon{studyy}</code>	17
	<i>studyscience</i>	<code>\ceicon{studyscience}</code>	18
	<i>smartphone</i>	<code>\ceicon{smartphone}</code>	19
	<i>books</i>	<code>\ceicon{books}</code>	20
	<i>onlinegraduation</i>	<code>\ceicon{onlinegraduation}</code>	21
	<i>university</i>	<code>\ceicon{university}</code>	22
	<i>calendar</i>	<code>\ceicon{calendar}</code>	23
	<i>champion</i>	<code>\ceicon{champion}</code>	24
	<i>certifmedal</i>	<code>\ceicon{certifmedal}</code>	25
	<i>schoolmedal</i>	<code>\ceicon{schoolmedal}</code>	26
	<i>chemistry</i>	<code>\ceicon{chemistry}</code>	27
	<i>chemistryliquid</i>	<code>\ceicon{chemistryliquid}</code>	28
	<i>diarypencil</i>	<code>\ceicon{diarypencil}</code>	29
	<i>filefolder</i>	<code>\ceicon{filefolder}</code>	30
	<i>document</i>	<code>\ceicon{document}</code>	31
	<i>brush</i>	<code>\ceicon{brush}</code>	32
	<i>pencilruler</i>	<code>\ceicon{pencilruler}</code>	33
	<i>globe</i>	<code>\ceicon{globe}</code>	34
	<i>graduatestudy</i>	<code>\ceicon{graduatestudy}</code>	35
	<i>seomathlearning</i>	<code>\ceicon{seomathlearning}</code>	36

Icon	Name	Direct command	PDF page
	<i>mathlearning</i>	<code>\ceicon{mathlearning}</code>	37
	<i>signature</i>	<code>\ceicon{signature}</code>	38
	<i>quill</i>	<code>\ceicon{quill}</code>	39
	<i>telescope</i>	<code>\ceicon{telescope}</code>	40

### 3.2 Design version (60 icons)







The PDF file is `ce-designvectors-all.pdf`








































Icon	Name	Direct command	PDF page
	<i>book</i>	<code>\ceicon[design]{book}</code>	1
	<i>browser-html</i>	<code>\ceicon[design]{browser-html}</code>	2
	<i>canvas-easel</i>	<code>\ceicon[design]{canvas-easel}</code>	3
	<i>canvas-paint</i>	<code>\ceicon[design]{canvas-paint}</code>	4
	<i>compass-draw</i>	<code>\ceicon[design]{compass-draw}</code>	5
	<i>crop</i>	<code>\ceicon[design]{crop}</code>	6
	<i>cube-atom</i>	<code>\ceicon[design]{cube-atom}</code>	7
	<i>designer-draw</i>	<code>\ceicon[design]{designer-draw}</code>	8
	<i>edit-draw</i>	<code>\ceicon[design]{edit-draw}</code>	9
	<i>edit-pencil</i>	<code>\ceicon[design]{edit-pencil}</code>	10
	<i>edit-pencil-b</i>	<code>\ceicon[design]{edit-pencil-b}</code>	11
	<i>fountain-pen-tools-and-utensils</i>	<code>\ceicon[design]{fountain-pen-tools-and-utensils}</code>	12
	<i>glue</i>	<code>\ceicon[design]{glue}</code>	13
	<i>grid-pixel</i>	<code>\ceicon[design]{grid-pixel}</code>	14
	<i>hierarchical-structure-diagram</i>	<code>\ceicon[design]{hierarchical-structure-diagram}</code>	15
	<i>laptop</i>	<code>\ceicon[design]{laptop}</code>	16
	<i>magic-wand</i>	<code>\ceicon[design]{magic-wand}</code>	17
	<i>marker</i>	<code>\ceicon[design]{marker}</code>	18
	<i>monitor-tv</i>	<code>\ceicon[design]{monitor-tv}</code>	19
	<i>mouse</i>	<code>\ceicon[design]{mouse}</code>	20
	<i>paint-brush-brush</i>	<code>\ceicon[design]{paint-brush-brush}</code>	21
	<i>paint-bucket-bucket</i>	<code>\ceicon[design]{paint-bucket-bucket}</code>	22
	<i>paint-palette-art</i>	<code>\ceicon[design]{paint-palette-art}</code>	23
	<i>paint-roller</i>	<code>\ceicon[design]{paint-roller}</code>	24
	<i>paint-tube-art</i>	<code>\ceicon[design]{paint-tube-art}</code>	25
	<i>pantone-paint</i>	<code>\ceicon[design]{pantone-paint}</code>	26
	<i>pencil-box</i>	<code>\ceicon[design]{pencil-box}</code>	27
	<i>pencil-case</i>	<code>\ceicon[design]{pencil-case}</code>	28
	<i>pencil-draw</i>	<code>\ceicon[design]{pencil-draw}</code>	29
	<i>pencil-ruler</i>	<code>\ceicon[design]{pencil-ruler}</code>	30
	<i>pencil</i>	<code>\ceicon[design]{pencil}</code>	31




Icon	Name	Direct command	PDF page
	<i>picture-image</i>	<code>\ceicon[design]{picture-image}</code>	32
	<i>protractor-rule</i>	<code>\ceicon[design]{protractor-rule}</code>	33
	<i>rgb-document</i>	<code>\ceicon[design]{rgb-document}</code>	34
	<i>ruler-pencil</i>	<code>\ceicon[design]{ruler-pencil}</code>	35
	<i>ruler</i>	<code>\ceicon[design]{ruler}</code>	36
	<i>scissors-cut</i>	<code>\ceicon[design]{scissors-cut}</code>	37
	<i>set-square-geometry</i>	<code>\ceicon[design]{set-square-geometry}</code>	38
	<i>set-square-measure</i>	<code>\ceicon[design]{set-square-measure}</code>	39
	<i>set-square-measure-b</i>	<code>\ceicon[design]{set-square-measure-b}</code>	40
	<i>settings-gear</i>	<code>\ceicon[design]{settings-gear}</code>	41
	<i>sharpener-tools-and-utensils</i>	<code>\ceicon[design]{sharpener-tools-and-utensils}</code>	42
	<i>smartphone-edit-tools</i>	<code>\ceicon[design]{smartphone-edit-tools}</code>	43
	<i>spray-paint-graffiti</i>	<code>\ceicon[design]{spray-paint-graffiti}</code>	44
	<i>tablet-touchscreen</i>	<code>\ceicon[design]{tablet-touchscreen}</code>	45
	<i>tablet-touchscreen-b</i>	<code>\ceicon[design]{tablet-touchscreen-b}</code>	46
	<i>vector-design</i>	<code>\ceicon[design]{vector-design}</code>	47
	<i>vector-design-b</i>	<code>\ceicon[design]{vector-design-b}</code>	48
	<i>vector-design-c</i>	<code>\ceicon[design]{vector-design-c}</code>	49
	<i>vector-edit-tools</i>	<code>\ceicon[design]{vector-edit-tools}</code>	50
	<i>vector-eye</i>	<code>\ceicon[design]{vector-eye}</code>	51
	<i>vector-heart</i>	<code>\ceicon[design]{vector-heart}</code>	52
	<i>vector-illustration</i>	<code>\ceicon[design]{vector-illustration}</code>	53
	<i>vector-illustration-b</i>	<code>\ceicon[design]{vector-illustration-b}</code>	54
	<i>vector-illustration-c</i>	<code>\ceicon[design]{vector-illustration-c}</code>	55
	<i>vector</i>	<code>\ceicon[design]{vector}</code>	56
	<i>vector-b</i>	<code>\ceicon[design]{vector-b}</code>	57
	<i>vector-tablet</i>	<code>\ceicon[design]{vector-tablet}</code>	58
	<i>vector-tablet-b</i>	<code>\ceicon[design]{vector-tablet-b}</code>	59
	<i>web-design</i>	<code>\ceicon[design]{web-design}</code>	60

### 3.3 MathSymbol version (50 icons)

The PDF file is `ce-mathsymbols-all.pdf`

Icon	Name	Direct command	PDF page
	<i>abacus</i>	<code>\ceicon[mathsymb]{abacus}</code>	1
	<i>angle</i>	<code>\ceicon[mathsymb]{angle}</code>	2
	<i>axis</i>	<code>\ceicon[mathsymb]{axis}</code>	3
	<i>braces</i>	<code>\ceicon[mathsymb]{braces}</code>	4
	<i>brackets</i>	<code>\ceicon[mathsymb]{brackets}</code>	5
	<i>calculator-keys</i>	<code>\ceicon[mathsymb]{calculator-keys}</code>	6

Icon	Name	Direct command	PDF page
	<i>calculator</i>	<code>\ceicon[mathsymb]{calculator}</code>	7
	<i>compass-draw</i>	<code>\ceicon[mathsymb]{compass-draw}</code>	8
	<i>cone</i>	<code>\ceicon[mathsymb]{cone}</code>	9
	<i>cube</i>	<code>\ceicon[mathsymb]{cube}</code>	10
	<i>cylinder</i>	<code>\ceicon[mathsymb]{cylinder}</code>	11
	<i>division</i>	<code>\ceicon[mathsymb]{division}</code>	12
	<i>emptyset</i>	<code>\ceicon[mathsymb]{emptyset}</code>	13
	<i>equal</i>	<code>\ceicon[mathsymb]{equal}</code>	14
	<i>equation</i>	<code>\ceicon[mathsymb]{equation}</code>	15
	<i>function</i>	<code>\ceicon[mathsymb]{function}</code>	16
	<i>gravity</i>	<code>\ceicon[mathsymb]{gravity}</code>	17
	<i>infinity</i>	<code>\ceicon[mathsymb]{infinity}</code>	18
	<i>is-an-element-of</i>	<code>\ceicon[mathsymb]{is-an-element-of}</code>	19
	<i>is-approximately-equal-to</i>	<code>\ceicon[mathsymb]{is-approximately-equal-to}</code>	20
	<i>is-greater-than</i>	<code>\ceicon[mathsymb]{is-greater-than}</code>	21
	<i>is-greater-than-or-equal-to</i>	<code>\ceicon[mathsymb]{is-greater-than-or-equal-to}</code>	22
	<i>is-identical-with</i>	<code>\ceicon[mathsymb]{is-identical-with}</code>	23
	<i>is-less-than</i>	<code>\ceicon[mathsymb]{is-less-than}</code>	24
	<i>is-less-than-or-equal-to</i>	<code>\ceicon[mathsymb]{is-less-than-or-equal-to}</code>	25
	<i>is-not-an-element-of</i>	<code>\ceicon[mathsymb]{is-not-an-element-of}</code>	26
	<i>is-not-equal-to-not-equal</i>	<code>\ceicon[mathsymb]{is-not-equal-to-not-equal}</code>	27
	<i>maths-add</i>	<code>\ceicon[mathsymb]{maths-add}</code>	28
	<i>minus</i>	<code>\ceicon[mathsymb]{minus}</code>	29
	<i>monitor</i>	<code>\ceicon[mathsymb]{monitor}</code>	30
	<i>multiply-cancel</i>	<code>\ceicon[mathsymb]{multiply-cancel}</code>	31
	<i>notebook</i>	<code>\ceicon[mathsymb]{notebook}</code>	32
	<i>notepad</i>	<code>\ceicon[mathsymb]{notepad}</code>	33
	<i>panel</i>	<code>\ceicon[mathsymb]{panel}</code>	34
	<i>parabolic</i>	<code>\ceicon[mathsymb]{parabolic}</code>	35
	<i>parenthesis</i>	<code>\ceicon[mathsymb]{parenthesis}</code>	36
	<i>pencil</i>	<code>\ceicon[mathsymb]{pencil}</code>	37
	<i>percentage</i>	<code>\ceicon[mathsymb]{percentage}</code>	38
	<i>pi-pi</i>	<code>\ceicon[mathsymb]{pi-pi}</code>	39
	<i>pie-chart</i>	<code>\ceicon[mathsymb]{pie-chart}</code>	40
	<i>plus</i>	<code>\ceicon[mathsymb]{plus}</code>	41
	<i>presentation</i>	<code>\ceicon[mathsymb]{presentation}</code>	42
	<i>protractor-rule</i>	<code>\ceicon[mathsymb]{protractor-rule}</code>	43
	<i>pyramid</i>	<code>\ceicon[mathsymb]{pyramid}</code>	44
	<i>set-square</i>	<code>\ceicon[mathsymb]{set-square}</code>	45
	<i>smartphone</i>	<code>\ceicon[mathsymb]{smartphone}</code>	46
	<i>sphere</i>	<code>\ceicon[mathsymb]{sphere}</code>	47

Icon	Name	Direct command	PDF page
	<i>square-root</i>	<code>\ceicon[mathsymb]{square-root}</code>	48
	<i>the-sum-of-sum</i>	<code>\ceicon[mathsymb]{the-sum-of-sum}</code>	49
	<i>triangle</i>	<code>\ceicon[mathsymb]{triangle}</code>	50