

The customenvs-icons package (0.1.2) – September 11, 2025

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

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This package provides L^AT_EX 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/>;
- <https://www.svgrepo.com/collection/games-7/>.

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/nodepth;
- `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 hight 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}
```

XX

```
%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[mathsyms]{square-root}</code> | 48 |
|  | <i>the-sum-of-sum</i> | <code>\ceicon[mathsyms]{the-sum-of-sum}</code> | 49 |
|  | <i>triangle</i> | <code>\ceicon[mathsyms]{triangle}</code> | 50 |

3.4 Game version (50 icons)

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

| Icon | Name | Direct command | PDF page |
|---|------------------------------|---|----------|
|  | <i>backgammon</i> | <code>\ceicon[game]{backgammon}</code> | 1 |
|  | <i>blasterlaser</i> | <code>\ceicon[game]{blasterlaser}</code> | 2 |
|  | <i>checkers</i> | <code>\ceicon[game]{checkers}</code> | 3 |
|  | <i>computergamepad</i> | <code>\ceicon[game]{computergamepad}</code> | 4 |
|  | <i>croupier</i> | <code>\ceicon[game]{croupier}</code> | 5 |
|  | <i>dicesdice</i> | <code>\ceicon[game]{dicesdice}</code> | 6 |
|  | <i>domino</i> | <code>\ceicon[game]{domino}</code> | 7 |
|  | <i>eggpoke</i> | <code>\ceicon[game]{eggpoke}</code> | 8 |
|  | <i>gamblerpoker</i> | <code>\ceicon[game]{gamblerpoker}</code> | 9 |
|  | <i>gamecartridge</i> | <code>\ceicon[game]{gamecartridge}</code> | 10 |
|  | <i>gameconsolecamera</i> | <code>\ceicon[game]{gameconsolecamera}</code> | 11 |
|  | <i>gameconsolegamerb</i> | <code>\ceicon[game]{gameconsolegamerb}</code> | 12 |
|  | <i>gameconsolepacman</i> | <code>\ceicon[game]{gameconsolepacman}</code> | 13 |
|  | <i>gameconsolea</i> | <code>\ceicon[game]{gameconsolea}</code> | 14 |
|  | <i>gameconsoleb</i> | <code>\ceicon[game]{gameconsoleb}</code> | 15 |
|  | <i>gameconsolec</i> | <code>\ceicon[game]{gameconsolec}</code> | 16 |
|  | <i>gameconsoled</i> | <code>\ceicon[game]{gameconsoled}</code> | 17 |
|  | <i>gamestore</i> | <code>\ceicon[game]{gamestore}</code> | 18 |
|  | <i>gamepadgamecontroller</i> | <code>\ceicon[game]{gamepadgamecontroller}</code> | 19 |
|  | <i>gamepadjoysticka</i> | <code>\ceicon[game]{gamepadjoysticka}</code> | 20 |
|  | <i>gamepadjoystickb</i> | <code>\ceicon[game]{gamepadjoystickb}</code> | 21 |
|  | <i>gamepada</i> | <code>\ceicon[game]{gamepada}</code> | 22 |
|  | <i>gamepadb</i> | <code>\ceicon[game]{gamepadb}</code> | 23 |
|  | <i>gamer</i> | <code>\ceicon[game]{gamer}</code> | 24 |
|  | <i>locationpokea</i> | <code>\ceicon[game]{locationpokea}</code> | 25 |
|  | <i>locationpokeb</i> | <code>\ceicon[game]{locationpokeb}</code> | 26 |
|  | <i>lotterybingo</i> | <code>\ceicon[game]{lotterybingo}</code> | 27 |
|  | <i>lotterya</i> | <code>\ceicon[game]{lotterya}</code> | 28 |
|  | <i>lotteryb</i> | <code>\ceicon[game]{lotteryb}</code> | 29 |
|  | <i>magazine</i> | <code>\ceicon[game]{magazine}</code> | 30 |
|  | <i>mobilegame</i> | <code>\ceicon[game]{mobilegame}</code> | 31 |
|  | <i>moneyexchangecasino</i> | <code>\ceicon[game]{moneyexchangecasino}</code> | 32 |

| Icon | Name | Direct command | PDF page |
|--|--------------------------------|---|----------|
|  | <i>onlinegame</i> | <code>\ceicon[game]{onlinegame}</code> | 33 |
|  | <i>pacman</i> | <code>\ceicon[game]{pacman}</code> | 34 |
|  | <i>pokeballpoke</i> | <code>\ceicon[game]{pokeballpoke}</code> | 35 |
|  | <i>pokegopoke</i> | <code>\ceicon[game]{pokegopoke}</code> | 36 |
|  | <i>poketrainerpoke</i> | <code>\ceicon[game]{poketrainerpoke}</code> | 37 |
|  | <i>pokerchipbet</i> | <code>\ceicon[game]{pokerchipbet}</code> | 38 |
|  | <i>pokerchipspoker</i> | <code>\ceicon[game]{pokerchipspoker}</code> | 39 |
|  | <i>poker</i> | <code>\ceicon[game]{poker}</code> | 40 |
|  | <i>racinggamesteeringwheel</i> | <code>\ceicon[game]{racinggamesteeringwheel}</code> | 41 |
|  | <i>roulettebet</i> | <code>\ceicon[game]{roulettebet}</code> | 42 |
|  | <i>roulettecasino</i> | <code>\ceicon[game]{roulettecasino}</code> | 43 |
|  | <i>roulette</i> | <code>\ceicon[game]{roulette}</code> | 44 |
|  | <i>slotmachinecasino</i> | <code>\ceicon[game]{slotmachinecasino}</code> | 45 |
|  | <i>supermariomushroom</i> | <code>\ceicon[game]{supermariomushroom}</code> | 46 |
|  | <i>televisionarcade</i> | <code>\ceicon[game]{televisionarcade}</code> | 47 |
|  | <i>televisiongamer</i> | <code>\ceicon[game]{televisiongamer}</code> | 48 |
|  | <i>videogamegamer</i> | <code>\ceicon[game]{videogamegamer}</code> | 49 |
|  | <i>virtualreality</i> | <code>\ceicon[game]{virtualreality}</code> | 50 |