

# The TikZ-shields package

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## 1 Introduction

This package allows inserting badges looking like the one that can be generated from [shields.io](https://shields.io).

To render the badges, `TikZ` and more precisely `tcolorbox` is used, inspired by [this discussion](#) on `TeX.StackExchange`.

The package is available from CTAN<sup>1</sup>. Its development version is available on GitHub<sup>2</sup>. If you encounter any issue, or if you have feedback or ideas, please use the [bug tracker](#).

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## 2 Basic usage

Syntax:

```
\drawBadge[<options>]{<left text>}{<right text>}
```

Arguments:

- [`<options>`] (optional): Key-value options to customize the badge appearance, see next section.
- `{<left text>}` (required): Text displayed in the left part of the badge.
- `{<right text>}` (required): Text displayed in the right part of the badge.

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<sup>1</sup><https://ctan.org/pkg/tikz-shields>

<sup>2</sup> <https://github.com/thomas-saigre/tikz-shields>



## TikZ-shields

```
\drawBadge{Any text}{you like}
```



### 3 Optional arguments

Some optional arguments can be passed to the macro `\drawBadge` (as well as the other ones described in this document):


Name	Description	Default value	Pkg
<code>baseline</code>	Baseline of the badge	<code>0mm</code>	
<code>color</code>	Background color of the right part of the badge	<code>default-blue</code> 	✓
<code>colorLeft</code>	Text color of the right part of the badge	<code>white</code>	✓
<code>colorRight</code>	Text color of the right part of the badge	<code>white</code>	✓
<code>labelColor</code>	Background color of the left part of the badge	<code>default-left</code> 	✓
<code>logo</code>	Logo displayed before the text		
<code>logoColor</code>	Color of the logo	<code>white</code>	✓
<code>link</code>	Clickable link		
<code>showlink</code>	Draw the hyperref border around the badge	<code>false</code>	
<code>style</code>	Style of the badge. Possible values are: <code>flat</code> , <code>flat-square</code> , <code>plastic</code> , <code>for-the-badge</code> , <code>social</code>	<code>flat</code>	✓

If the last column is ticked, then the option can be specified as default option for the whole library, that can be passed when loading it, for instance `\usepackage[labelColor=red]{tikz-shields}`.

Note that anything can be used as a logo, even a text or a personalized command that you would have created (in an example described in Section 5 `\def\checkmark{\tikz\fill[scale=0.4] (0,.35) -- (.25,0) -- (1,.7) -- (.25,.15) -- cycle;}`).

The Section 4 presents some examples of badges that can be generated, while Section 5 shows some preset badges.

### 4 Examples

The color of the right part can be customized, the default color being a rectangle of color `default-blue` .

#### Change color

```
\drawBadge[color=red]{Any text}{you like}
\drawBadge[labelColor=white, colorLeft=red]{Any text}{you like}
\drawBadge[labelColor=pink, color=black, colorRight=yellow]{Any text}{you like}
```



## Customize logo

```
\drawBadge[logo=\faFilm]{Movie}{5~\faStar}
\drawBadge[logoColor=black, logo=\faHistory, labelColor=yellow]{Any text}{you like}
\def\ctan{\includegraphics[height=1em]{doc/img/ctan-white.pdf}}
\drawBadge[logo=\ctan]{\CTAN}{tikz-shields}
```



Custom logos can be employed, as in the previous example where an image is loaded to use the logo<sup>3</sup>.

## Clickable badges

```
\drawBadge[logo=\faWikipediaW, link=https://www.wikipedia.org]{}{Wikipedia}
\drawBadge[logo=\faWikipediaW, showlink=true, link=https://www.wikipedia.org]{}{Wikipedia}
```

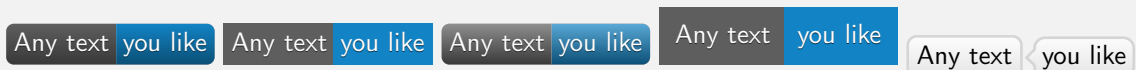


Note, for document where the links are hidden by default with `hyperref` (as the present document), this option won't have any effect.

The style of the badge can also be chosen:

## Style of badges

```
\drawBadge[style=flat]{Any text}{you like}
\drawBadge[style=flat-square]{Any text}{you like}
\drawBadge[style=plastic]{Any text}{you like}
\drawBadge[style=for-the-badge]{Any text}{you like}
\drawBadge[style=social]{Any text}{you like}
```



As you can see in previous example, the badges are not aligned vertically. At this point, only `social` badges are automatically aligned with surrounding text (option `tcbox raise base` which does not work with `\tcboxsidebyside`).

The option `baseline` allows to manually set a vertical shift of the badges, but depend on the text present in the badge, by default it is null.

## Baseline<sup>4</sup>

```
\showbaseline{Hello, I'm
\drawBadge[baseline=1.8mm]{Arthur}{Pendragon},
and not
\drawBadge[baseline=1mm]{Louis}{XIV}.
}
```

Hello, I'm Arthur Pendragon, and not Louis XIV.

<sup>3</sup>Logo of CTAN is a courtesy of [CTAN](#).

<sup>4</sup>The implementation of the macro `\showbaseline` is taken from [tex.stackexchange.com 432196/243474](https://tex.stackexchange.com/432196/243474).

## 5 Special badges

Some presets are available. For each one of them, the default options can be used to overwrite default values (as logo for instance).

### 5.1 Git repository

The `\githubBadge` command creates a badge showing path to a given repository. By default, the badge is clickable to `https://github.com/<repo path>` is done.

**Syntax:**

```
\githubBadge[<options>]{<repo path>}
```


**Arguments:**

- [`<options>`] (optional): Key-value options to customize the badge appearance, see above.
- `{<repo path>}` (required): Path to the repository.

The prototype is the same for `\gitlabBadge` and `\forgeBadge`. In the first case, the link redirects to `https://gitlab.com/<repo path>`, and in the second to `https://<repo path>`.


#### Github badge

```
\githubBadge{thomas-saigre/tikz-shields}
\githubBadge[logo=\faGit]{thomas-saigre/tikz-shields}
```




#### Gitlab badge

```
\gitlabBadge[color=orange]{inkscape/inkscape}
```



#### Custom forge badge

```
\forgeBadge[labelColor=black, logo=\faCode]{code.videolan.org/videolan/vlc}
\forgeBadge[labelColor=green, logo=\checkmark]{code.videolan.org/videolan/vlc}
```



In all cases, the generated badge is clickable and redirect to the repository provided. The icon can be customized, as well as the color.

### 5.2 License

The `\licenseBadge` command creates a badge displaying a license name, optionally with custom options and left-side text. By default, a clickable badge directing to `https://creativecommons.org/<license name>` is done. Note that this webpage may not exist, but the link can either be manually changed, or an empty link can be provided.

**Syntax:**

```
\licenseBadge[<options>][<left text>]{<license name>}
```

### Arguments:

- [`<options>`] (optional): Key-value options to customize the badge appearance, see above.
- [`<left text>`] (optional): Text displayed on the left side of the badge (defaults to `license` in lowercase).
- `{<license name>}` (required): Name of the license to display.

### License badges

```
\licenseBadge[link=https://github.com/thomas-saigre/tikz-shields/blob/main/LICENSE]{GPL-3.0-1}  
\licenseBadge[][LICENSE]{cc0}  
\licenseBadge[link=]{WTFPL}
```

