

coloredbelts

Colored belt, in vectorial format,
to present skills, for example.

Version 0.20a - 2026/02/20

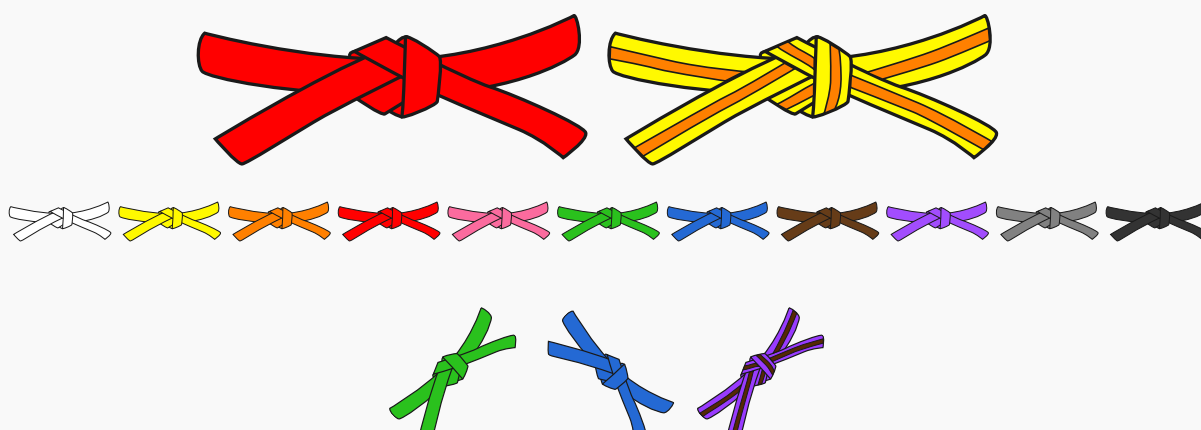
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<https://github.com/cpierquet/latex-packages/tree/main/coloredbelts>

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1 The package coloredbelts

1.1 Ideas

The idea is to display a pictogram like "colored judo's belt" to present skills, for example.

The pictograms are *vectorial pdf*, adapted from *svg*, diffused in CC BY-SA 3.0 (https://commons.wikimedia.org/wiki/File:Judo_yellow_belt.svg).

I want to thank Sascha Christmann for his help with bi-color belts (both versions are equal sized).

1.2 Loading

The package loads within the preamble, with `\usepackage{coloredbelts}`.

Only loaded packages are `tikz` and `graphicx`, the rest of the code is in L^AT_EX3.

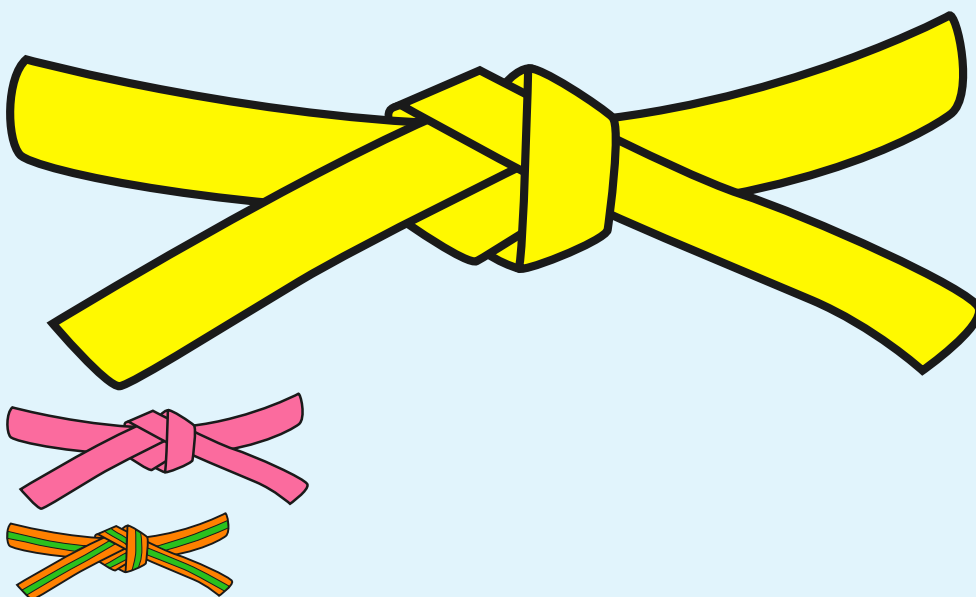
```
\usepackage{coloredbelts}
```

2 The command

2.1 Naming of the files

Each pictogram is named like `judobelt-<color>.pdf`, so that they can be embedded with a "simple" `\includegraphics classic`.

```
\includegraphics[height=5cm]{judobelt-yellow.pdf}\par
\includegraphics[width=4cm]{judobelt-pink.pdf}\par
\includegraphics[width=3cm]{judobelt-orange-green.pdf}
```



2.2 Usage

The command is `\ColorBelt`.

```
\ColorBelt(*)[options]{color}
```




















The starred version is an "alias" for a `\includegraphics`, with optional parameters in [...].











The options for the non starred version are

- the key `Height`:

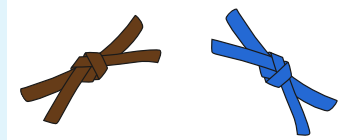
- can use an automatic height, with `auto` (95 % of the global height of current font, customizable with `Strut` key, + small vertical offset);
- can specify a global height;
- the key `OffsetV` (without `auto` for `Height`) can offset vertically the pictogram.

Available colors are:

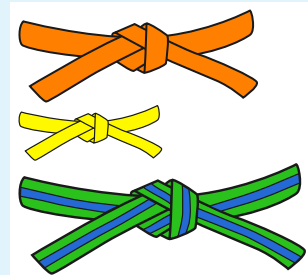
- : white;
- : yellow;
- : orange;
- : red;
- : pink;
- : green;
- : blue;
- : brown;
- : purple;
- : gray;
- : black;
- : white-yellow;
- : yellow-orange;
- : orange-green;
- : green-blue;
- : purple-brown;
- : blue-brown;
- : blue-purple;
- : brown-black.

\ColorBelt	
\tiny	Inline  pictogram
\scriptsize	Inline  pictogram
\footnotesize	Inline  pictogram
\small	Inline  pictogram
\normalsize	Inline  pictogram
\large	Inline  pictogram
\Large	Inline  pictogram
\LARGE	Inline  pictogram
\huge	Inline  pictogram
\Huge	Inline  pictogram

```
{\Huge\rotatebox[origin=c]{30}{\ColorBelt{brown}}\:  
\rotatebox[origin=c]{-45}{\ColorBelt{blue}}}
```



```
\ColorBelt*[scale=0.25]{orange}\par  
\ColorBelt*[scale=0.15]{yellow}\par  
\ColorBelt*[scale=0.3]{green-blue}
```



2.3 TikZ version

It is also possible to use a simplified macro, using TikZ, to insert colored belts with custom colors. At present, it is only possible to insert a monochrome belt.

```
\tkzcoloredbelt(*)[keys]<tikzpicture options>{color}
```

%keys are:


%height = height of belt, if starred version

%strut = characters for dim calc, if nonstarred version

%border = color of the border

%inline version

Inline version of `\tkzcoloredbelt{pink}` pink belt

Inline version of  pink belt

%inline version

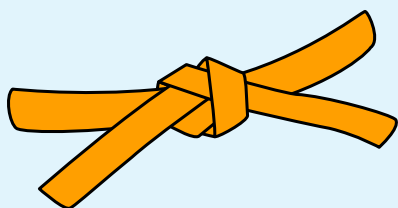
`\LARGE\sffamily\bfseries`

Inline version of (`\tkzcoloredbelt[strut=(),border=blue]{pink}`) blue and pink belt

Inline version of () blue and pink belt

%'classic' version

```
\tkzcoloredbelt*[height=2cm]<rotate=10>{orange!50!red!50!yellow}
```



3 History

v0.20a: Enhancements with \LaTeX 3
v0.1.6: Enhancements + \TikZ version
v0.1.5: Code rewritten in \LaTeX 3
v0.1.4: Key **Strut** for automatic height
v0.1.3: Better management of files
v0.1.2: Better management of lengths
v0.1.1: Bi-color belts
v0.1.0: Initial version