coloredbelts

Colored belt, in vectorial format,

to present skills, for example.

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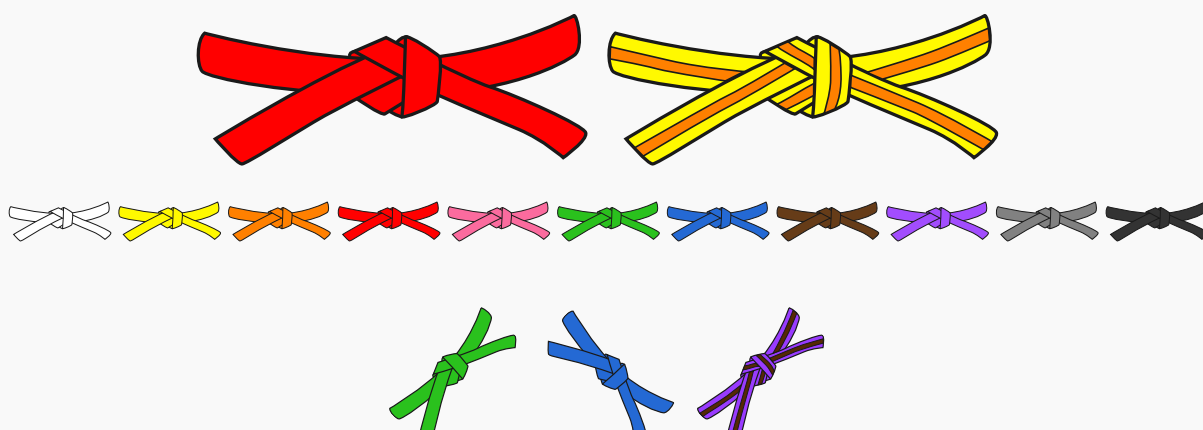
https://forge.apps.education.fr/pierquetcedric/packages-latex

Contents

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}`.
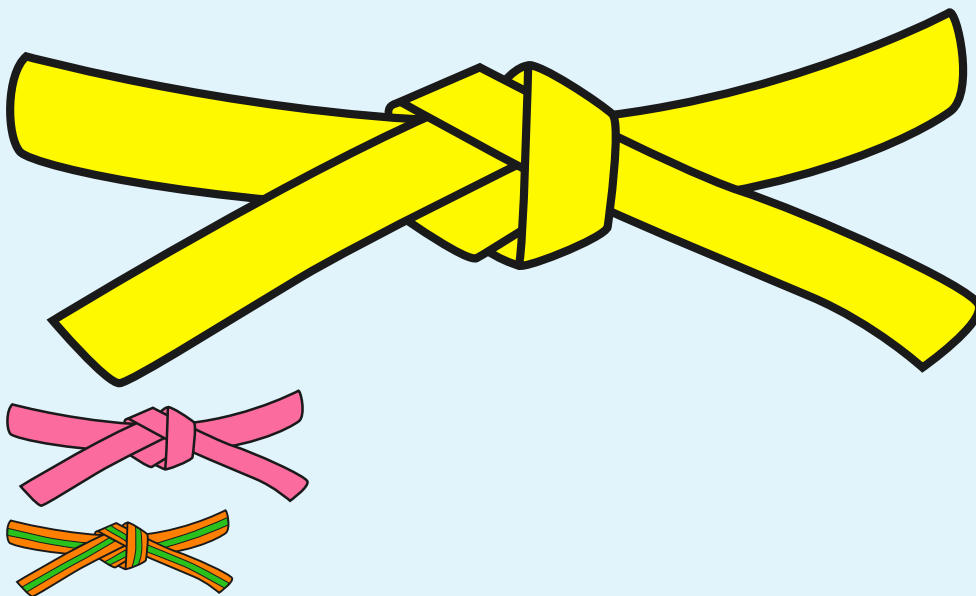The only loaded package is `graphicx`, the rest of the code is in LaTeX3.

```
\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 optionals parameters in `[...]`.

The options for the non starred version are

- the key `Height`:

– can use an automatic height, with `auto` (95 % og 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}}}
```
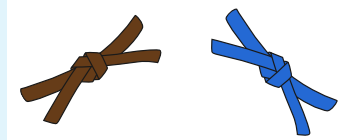
```
\ColorBelt*[scale=0.25]{orange}\par
\ColorBelt*[scale=0.15]{yellow}\par
\ColorBelt*[scale=0.3]{green-blue}
```
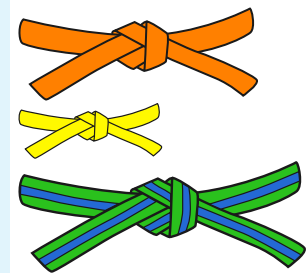
2.3   Version Tikz

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
```
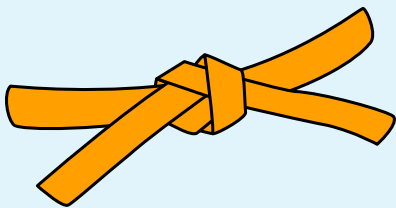Inline version of ⨝ pink belt

```
%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

v0.1.6:   Enhancements + TikZ version
v0.1.5:   Code rewritten in LaTeX3
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