

customenvs-tikzpictos

(part of customenvs)

Small pictograms, with TikZ,
for manual or inline insertion.










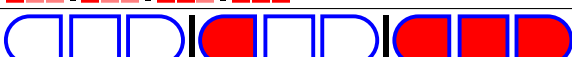



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Cédric Pierquet

c pierquet – at – outlook . fr

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

customenvs-tikzpictos is included with customenvs, but can be loaded independently !

Wifi	
Wifi (bars)	
Network	
Stars	
Speedometer	
BullsEye	
Battery	
Battery (flip)	
Skills	
Pill	
TrafficLight	
MiniCalendar	
Clippy	

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1 The package tikz-pictos

1.1 Ideas

The idea is to display some pictograms like. Each pictogram can be inserted inline with automatic height (with or without depth), or with a manual height.

1.2 Loading






























































The package loads within the preamble, with `\usepackage{customenvs-tikzpictos}`.






























































If `customenvs` is loaded, it load itself `customenvs-tikzpictos`


















































The only loaded packages are `simplekv`, `calc`, `simplekv`, `listofitems`, `xstring`, `xintexpr` and `tikz` (with `shapes.geometric` / `bbox` libraries).


















































```
\usepackage{customenvs-tikzpictos}
```

1.3 Gallery

Wifi	q      H
Wifi (bars)	q      H
Network	q      H
Stars	q      H
Speedometer	q      H
BullsEye	q      H
Battery	q      H
Battery (flip)	q      H
Skills	q      H
Pill	q      H
TrafficLight	q      H
MiniCalendar	q      H
Clippy	

Wifi	q      H
Wifi (bars)	q      H
Network	q      H
Stars	q      H
Speedometer	q      H
BullsEye	q      H
Battery	q      H
Battery (flip)	q      H
Skills	q      H
Pill	q      H
TrafficLight	q      H
MiniCalendar	q      H
Clippy	

Wifi	a      H
Wifi (bars)	a      H
Network	a      H
Stars	a☆☆☆ ☆☆☆ ☆☆☆H
Speedometer	a      H
BullsEye	a     H
Battery	a     H
Battery (flip)	a     H
Skills	a     H
Pill	a     H
TrafficLight	a    H
MiniCalendar	q    H
Clippy	  

Wifi	a      H
Wifi (bars)	a      H
Network	a      H
Stars	a☆☆☆ ☆☆☆ ☆☆☆H
Speedometer	a      H
BullsEye	a     H
Battery	a     H
Battery (flip)	a     H
Skills	a     H
Pill	a     H
TrafficLight	q    H
MiniCalendar	q    H
Clippy	  

2 Macros

2.1 Global usage

```
\tkzpicto%  
  [keys]  
  <tikz options>  
  {type=params}
```

2.2 Wifi

```
\tkzpicto%  
  [style=...,height=...,colors=...]  
  <tikz options>  
  {wifi=level/nblevels}
```

```
\Huge  
\tkzpicto{wifi} %default (full)  
\tkzpicto[style=bar]{wifi} %default (bar)  
\tkzpicto{wifi=1} %with 4 levels  
\tkzpicto{wifi=5/7} %custom (full)  
\tkzpicto[style=bar]{wifi=5/9} %custom (bar)  
\tkzpicto[colors=violet/lime]{wifi=5/7} %colored custom
```



2.3 Network

```
\tkzpicto%  
  [height=...,colors=...]  
  <tikz options>  
  {network=level/nblevels}
```

```
\Huge  
\tkzpicto{network} %default  
\tkzpicto{network=1} %with 4 levels  
\tkzpicto{network=5/7} %full custom  
\tkzpicto[colors=orange/brown!50]{network=5/7} %colored custom
```



2.4 Stars

```
\tkzpicto%  
  [height=...,colors=...,offset=...]  
  <tikz options>  
  {stars=level/nblevels}
```

```

\Huge
\tkzpicto{stars} %default
\tkzpicto{stars=1} %with 4 levels
\tkzpicto{stars=1.25/4} %full custom
\tkzpicto[colors=teal/magenta]{stars=5/7} %colored custom

```



2.5 SpeedoMeter

```

\tkzpicto%
[colors=...]
<tikz options>
{speedo=level/nblevels}

```

```

\Huge
\tkzpicto{speedo} %default
\tkzpicto{speedo=4} %with 4 levels
\tkzpicto{speedo=1.25/4} %full custom
\tkzpicto[colors=purple/olive]{speedo=5/7} %colored custom

```



2.6 Bullseye

```

\tkzpicto%
[height=...,maincolor=...,color=TF,listcolors=...]
<tikz options>
{bullseye}

```

```

\Huge
\tkzpicto{bullseye} %default
\tkzpicto<rotate=-90>{bullseye} %default (rotate)
\tkzpicto[listcolors={teal,orange,lime},color]{bullseye} %with 4 levels

```



2.7 Battery

```

\tkzpicto%
[height=...,maincolor=...,barcolor=...,flip=TF,scale=...,shaded=TF]
<tikz options>
{battery=nb/nblevels}

```

```

\Huge
\tkzpicto{battery} %default
\tkzpicto[flip]{battery} %default (flip)
\tkzpicto{battery=1} %custom
\tkzpicto[flip,scale=0.55]{battery=1} %custom flip scaled
\tkzpicto[barcolor=auto]{battery=3/9} %autocolor
\tkzpicto[maincolor=gray,barcolor=olive]{battery=7/8} %custom color

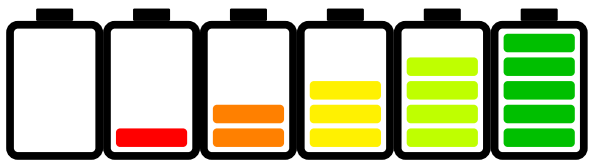
```



```

\xintFor* #1 in {\xintSeq{0}{5}}\do{\pictobattery[height=2cm,barcolor=auto]{#1/5}}

```



2.8 Skills

```

\tkzpicto%
[height=...,colors=...,hoffset=...,voffset=...]
<tikz options>
{skills=nb/nblevels}

```

```

\Huge
\tkzpicto{skills} %default
\tkzpicto{skills=2} %custom
\tkzpicto[voffset=0.4]{skills=1/4} %custom
\tkzpicto[colors=blue/red]{skills=5/6} %custom color

```



```

\Huge
\pictoskillsgreen %alias for green (1/3)
\pictoskillsorange %alias for orange (2/3)
\pictoskillsred %alias for red (3/3)

```



2.9 Pill

```

\tkzpicto%
[height=...,colors=...,offset=]
<tikz options>
{pill=nb/nblevels}

```

```

\Huge
\tkzpicto{pill} %default
\tkzpicto{pill=2} %custom
\tkzpicto[offset=0.2]{pill=3/4} %custom
\tkzpicto[colors=teal/orange]{pill=5/6} %custom color

```



2.10 TrafficLight

```
\tkzpicto%
  [height=...,maincolor=...,listcolors=...,borders=TF]
  <tikz options>
  {traffic=levels}
```

```
\Huge
\tkzpicto{traffic} %default
\tkzpicto[borders]{traffic=2} %custom
\tkzpicto[maincolor=gray]{traffic=123} %custom
\tkzpicto[listcolors={teal,orange,green}]{traffic=123} %custom color
```



2.11 MiniCalendar

```
\tkzpicto%
  [height=...,color=...,daycolor=...,monthcolor=...]
  <tikz options>
  {calendar=day/month}

%styles tikz for month/day
\tikzset{minicalmonth/.style={font=\sffamily\bfseries,\minictikzcalendarcolmois}}
\tikzset{minicalday/.style={font=\sffamily\bfseries,\minictikzcalendarcoljour}}
```

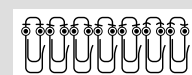
```
\Huge
\tkzpicto{calendar=13/march} %default
\tkzpicto[color=olive]{calendar=13/march} %custom color
\tkzpicto[color=red,daycolor=red]{calendar=25/dec.} %custom colors
```



2.12 Clippy

```
\tkzclippy%
  [height=...,color=...,eyecolor=...,ratio=...,rotate=...]
  <tikz options>
  {clippy=style}
```

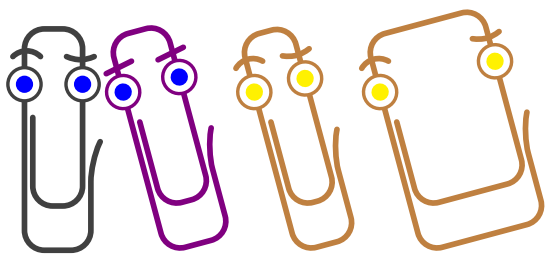
```
%styles
\Huge
\pictoclippy%
\pictoclippy[style=angry]%
\pictoclippy[style=happy]%
\pictoclippy[style=anghappy]%
\pictoclippy[style=happangry]%
\pictoclippy[style=surprised]%
\pictoclippy[style=confused]%
```




```

%gallery
\pictoclippy%
  [height=3cm,style=confused,color=darkgray,eyecolor=blue]%
\pictoclippy%
  [height=3cm,style=happangry,color=violet,rotate=15,eyecolor=blue]%
\pictoclippy%
  [height=3cm,style=confused,color=brown,rotate=15,eyecolor=yellow,ratio=0.2]%
\pictoclippy%
  [height=3cm,style=confused,color=brown,rotate=15,eyecolor=yellow,ratio=0.5]%

```



3 History

v0.1.3 : Clippy
v0.1.2 : Mini calendar
v0.1.1 : Traffic Light
v0.1.0 : Initial version