

postit [en]

Small Post-It notes, with tcolorbox or TikZ.

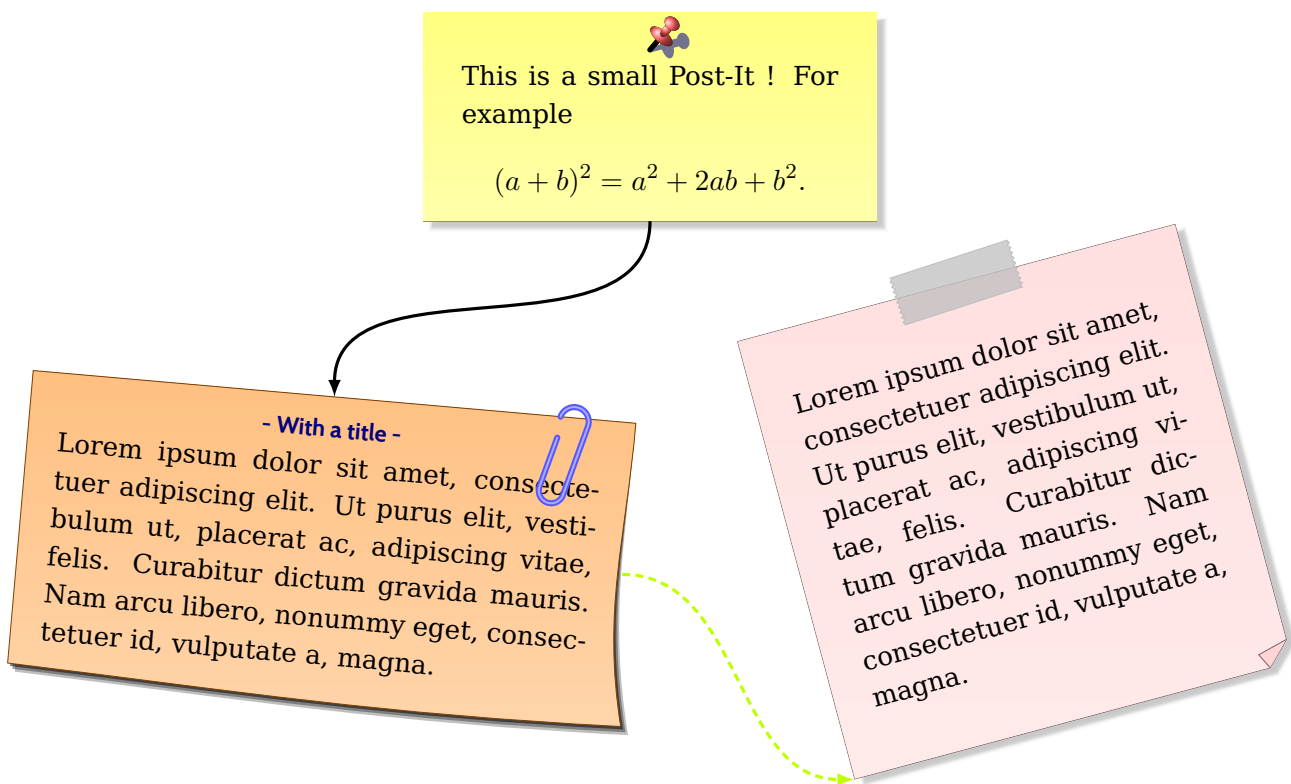
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<https://github.com/cpierquet/latex-packages/tree/main/postit>

- Display and customize Post-It or *mini*-Post-It.
- Custom width, height, rotation, decoration. . .



LaTeX

pdfLaTeX

LuaLaTeX

TikZ

TeXLive

MiKTeX

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1 History

v0.1.5: New version of code.
v0.1.5: Bugfix with spacing.
v0.1.4: Bugfix with horizontal alignment.
v0.1.3: Nodes for anchor points.
v0.1.2: English version.
v0.1.1: `\vphantom` for *mini*-Post-It + Bugfixes + TikZ rendering + optional title .
v0.1.0: Initial version.

2 The package postit

2.1 Introduction



The package proposes small Post-It notes, in a tex doc, created with `tcolorbox` or `tikz`, with option(s) in order to:

- change dimensions or color;
- use pin decoration like Paperclip, Pushpin or Scotch;
- customize border and/or corner;
- use anchor points for each Post-It.

The package propose a command to display *mini*-Post-It (created with `tcbbox`), with color and shadow customization.

2.2 Loading of the package, and option



The package Scrabble loads within the preamble.
There's no option, and `xcolor` isn't loaded.

```
\documentclass{article}  
\usepackage{postit}
```



`postit` loads the following packages and libraries:

- `tcolorbox` with library `tcbox.skins`;
- `tikz` libraries:
 - `tikz.calc`;
 - `tikz.babel`;
 - `tikz.decorations`;
 - `tikz.decorations.pathmorphing`;
- `settobox`, `xstring`, `varwidth` and `simplekv`.

It's mostly compatible with latex, pdflatex, lualatex or xelatex compilation !

2.3 Compatibility



If an other package loads `tcolorbox`, with `<[most]>` option, it's better to load `postit` after, to avoid `option clash error....`

```
\documentclass{article}  
\usepackage[<libraries>]{tcolorbox}  
\usepackage{postit}  
...
```

3 Post-It Environment

3.1 Environment



The environment to display a Post-It note is `PostItNote`.

It works with keys, between [...] and, with <...>, it's possible to parse options to the `tcbox` (not necessary with `tikz`) !

```
\begin{PostIt}[keys]<options tcbox>
...
...
\end{PostIt}
```



As mentioned in the introduction, the Post-It note is create with a `tcbox` or a `tikzpicture`. Most of the `tcbox/tikzpicture` parameters are fixed by the code, but some of them are configurable !

```
%default rendering (tcbox), with lipsum paragraph
\begin{PostItNote}
\lipsum[1][1-2]
\end{PostItNote}
```



Lorem ipsum dolor sit amet,
consectetuer adipiscing elit.
Ut purus elit, vestibulum ut,
placerat ac, adipiscing vi-
tae, felis.

```
%tikz rendering, with lipsum paragraph
\begin{PostItNote}[Render=tikz]
\lipsum[1][1-2]
\end{PostItNote}
%tikzv2 rendering, with lipsum paragraph
\begin{PostItNote}[Render=tikzv2]
\lipsum[1][1-2]
\end{PostItNote}
```



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consectetuer adipiscing elit.
Ut purus elit, vestibulum ut,
placerat ac, adipiscing vitae,
felis.



Lorem ipsum dolor sit amet,
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Ut purus elit, vestibulum ut,
placerat ac, adipiscing vitae,
felis.



The colors must be used as *single*, without *mixes* (with `CouleurA!...!CouleurB`) proposed by `xcolor`.

However, every predefined color can be used within the Post-It.



The Post-It can be used with a `minipage` or a `wrapstuff` if needed.
For horizontal alignment, `\hfill` or `flush...` can be used.



With a overlapping pin and the `tcbox` rendering, a vertical spacing before can be necessary, like `\vspace` or `\bigskip`...

3.2 Keys and options



The first argument, mandatory and between `[...]`, proposes the following `<keys>`:

-  0.1.3 `<StorePostIt>`: name (for further TikZ code) of the Post-It; default: `<PostIt>`
- `<Width>`: width (in cm) of the Post-It ; default: `<6cm>`
- `<Color>`: color of the Post-It (border is a bit darker); default: `<yellow>`
- `<Height>`: height (in cm, if needed) of the Post-It (*automatic* by default); default: `<auto>`
-  0.1.1 `<Render>`: engine, within `<tcbox / tikz / tikz2>`; default: `<tcbox>`
- `<Rotation>`: rotation of the Post-It; default: `<0>`
- `<Shadow>`: boolean for shadow; default: `<true>`
- `<Border>`: boolean for a thin border; default: `<true>`
- `<Corner>`: boolean to the corner decoration (`tcbox`); default: `<false>`
- `<Pin>`: decoration, within `<Paperclip / Pushpin / None / Scotch>`; default: `<Pushpin>`
- `<PinColor>`: color of the pin; default: `<red>`
- `<PinsShift>`: horizontal shift (without unity, but in cm) of the original position of the pin; default: `<0>`
-  0.1.1 `<Title>`: add a title (1st line and/or under the pin); default: `<empty>`
-  0.1.1 `<Fonttitle>`: font of the title; default: `<\normalfont\normalfont>`
-  0.1.1 `<ExtraRightMargin>`: add (with `tikz` rendering, and in cm) à right margin; default: `<0cm>`
- `<AlignV>`: vertical alignment in the Post-It (within `<top/center/bottom>`); default: `<top>`
- `<AlignH>`: horizontal alignment in the Post-It (within `<left/center/right/justify>`); default: `<justify>`
- `<AlignPostIt>`: vertical alignemnt of the Post-It (within `<top/center/bottom>`). default: `<bottom>`



The second argument, optional and between `<...>` is used to parse options to the `tcolorbox`.

They can be used to modify locally options not present in the keys.

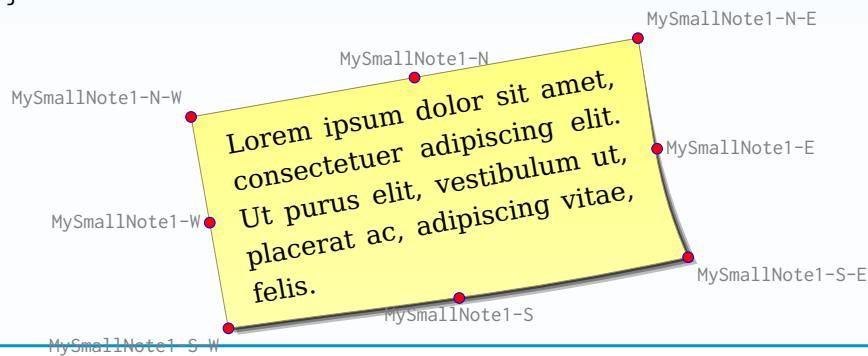
3.3 Anchor points



Some anchor points are created with the code:

- `(<name>-N)`, `(<name>-E)`, `(<name>-S)` et `(<name>-W)` for North/East/South/West;
- `(<name>-N-W)`, `(<name>-N-E)`, `(<name>-S-E)` and `(<name>-S-W)` for North East/North West/...

```
\begin{center}  
\begin{PostItNote}[Rotate=10,Pin=None,Render=tikz,StorePostIt=MySmallNote1]  
  \lipsum[1][1-2]  
\end{PostItNote}  
\end{center}
```

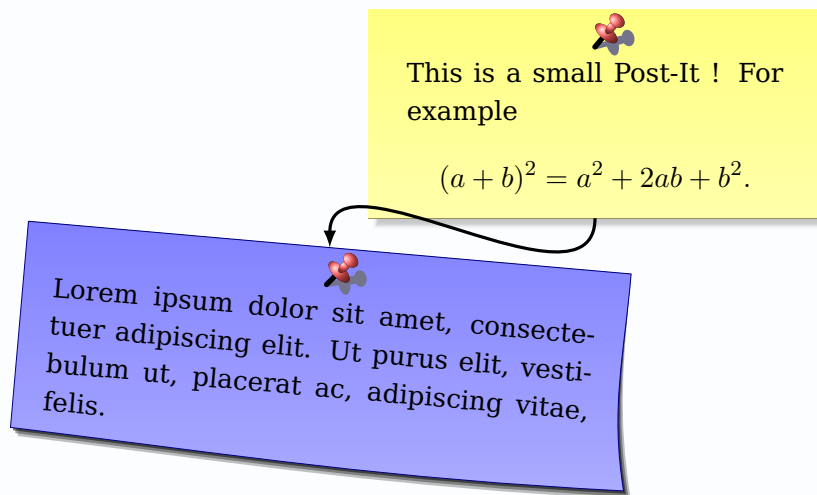


```

\begin{PostItNote}[StorePostIt=NoteY]<center>
  This is a small Post-It ! For example \[(a+b)^2=a^2+2ab+b^2.\]
\end{PostItNote}\\
\begin{PostItNote}[Render=tikz,Width=8cm,Color=blue,Rotate=-5,StorePostIt=NoteZ]
  \lipsum[1][1-2]
\end{PostItNote}

\begin{tikzpicture}[remember picture,overlay]
  \draw[very thick,->,>=latex] (NoteY-S)to[out=-90,in=90](NoteZ-N);
\end{tikzpicture}

```

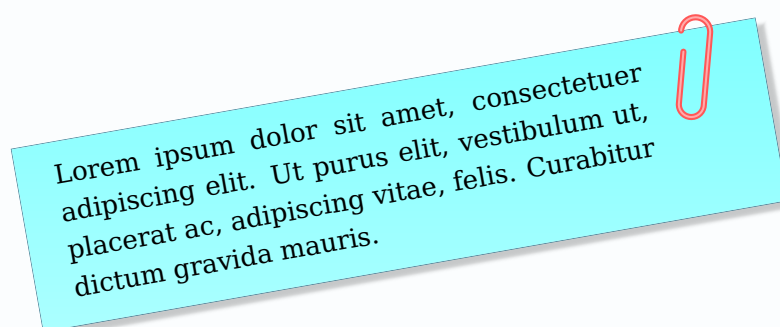


3.4 Examples

```

\begin{PostItNote}%tcbox rendering
  [Color=cyan,Pin=Paperclip,Width=10cm,Rotate=10]<center,right=1.5cm>
  \lipsum[1][1-3]
\end{PostItNote}

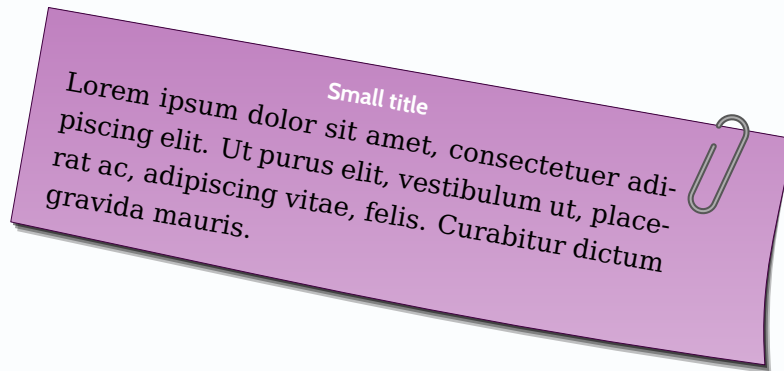
```



```

\hfill\begin{PostItNote}%tikz rendering
  [Render=tikz,Color=violet,Width=9cm,Rotate=-10,Pin=Paperclip,
  PinColor=black,ExtraRightMargin=1cm,Title={Small title},
  FontTitle={\color{white}\bfseries\small\sffamily}]
\lipsum[1][1-3]
\end{PostItNote}\hfill~

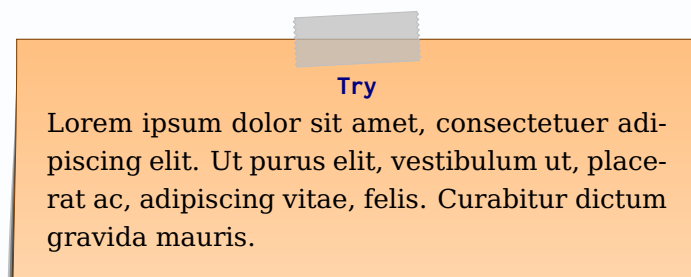
```



```

\hfill\begin{PostItNote}%tikzv2 rendering
  [Render=tikzv2,Color=orange,Width=9cm,rotate=-10,Pin=Scotch, Title={Try},
  FontTitle={\color{blue!50!black}\bfseries\itshape\small\ttfamily}]
\lipsum[1][1-3]
\end{PostItNote}\hfill~

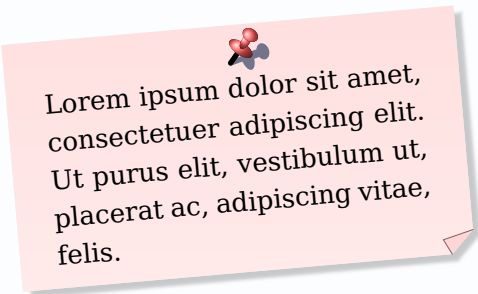
```



```
%usepackage{wrapstuff}
\begin{wrapstuff}[r,top=1]
\begin{PostItNote}[Rotate=5,Corner,Color=pink,PinkColor=blue,Border=false]
\lipsum[1][1-2]
\end{PostItNote}
\end{wrapstuff}
```

```
\lipsum[1]
```

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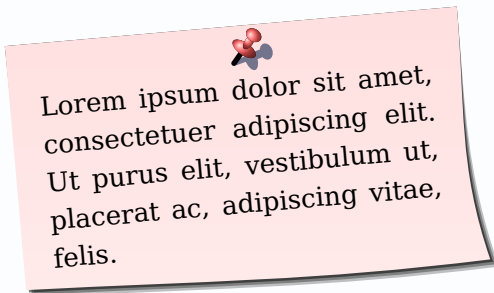


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```
%usepackage{wrapstuff}
\begin{wrapstuff}[r,top=1]
\begin{PostItNote}[Rotate=5,Render=tikz,Color=pink, PinkColor=blue,Border=false]
\lipsum[1][1-2]
\end{PostItNote}
\end{wrapstuff}
```

```
\lipsum[1]
```

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```
%usepackage{wrapstuff}
\begin{wrapstuff}[r,top=1]
\begin{PostItNote}[Rotate=5,Render=tikzv2,Pin=Scotch,Color=pink]
\lipsum[1][1-2]
\end{PostItNote}
\end{wrapstuff}

\lipsum[1]
```

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A small Post-It, and vertically aligned:

```
%
\hfill\begin{PostItNote}[Rotate=-10,Color=orange,Width=5cm,Height=5cm,
AlignV=center,Corner,PinColor=yellow,PinShift=-1,AlignPostIt=center]

\textsf{\small\lipsum[1][1-2]}
\[\mathsf{\displaystyle\sum_{k=1}^n k = \dfrac{n(n+1)}{2}}\]
\end{PostItNote}
```

A small Post-It, and vertically aligned:

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis.

$$\sum_{k=1}^n k = \frac{n(n+1)}{2}$$

4 Simple inline Post-It Note

4.1 Command



The inline *mini*-Post-It note is `MiniPostIt`.

The only optional parameter for the `tcbox` Post-It is the color.

Dimensions can't be changed, a `\vphantom` is inserted at beginning to prevent different heights.

```
\MiniPostIt(*)[color]{text}
```

4.2 Arguments



The starred version show the shadow of the *mini*-Post-It.

The color (`\color{yellow}`), is the only optional argument, between `[...]`.

4.3 Examples

To solve Diophantine equations, we can use `\MiniPostIt*[orange]{Bézout's thoerem}`, and `\MiniPostIt{Gauss' theorem}`, with the `\MiniPostIt*[cyan]{reciprocal}`.

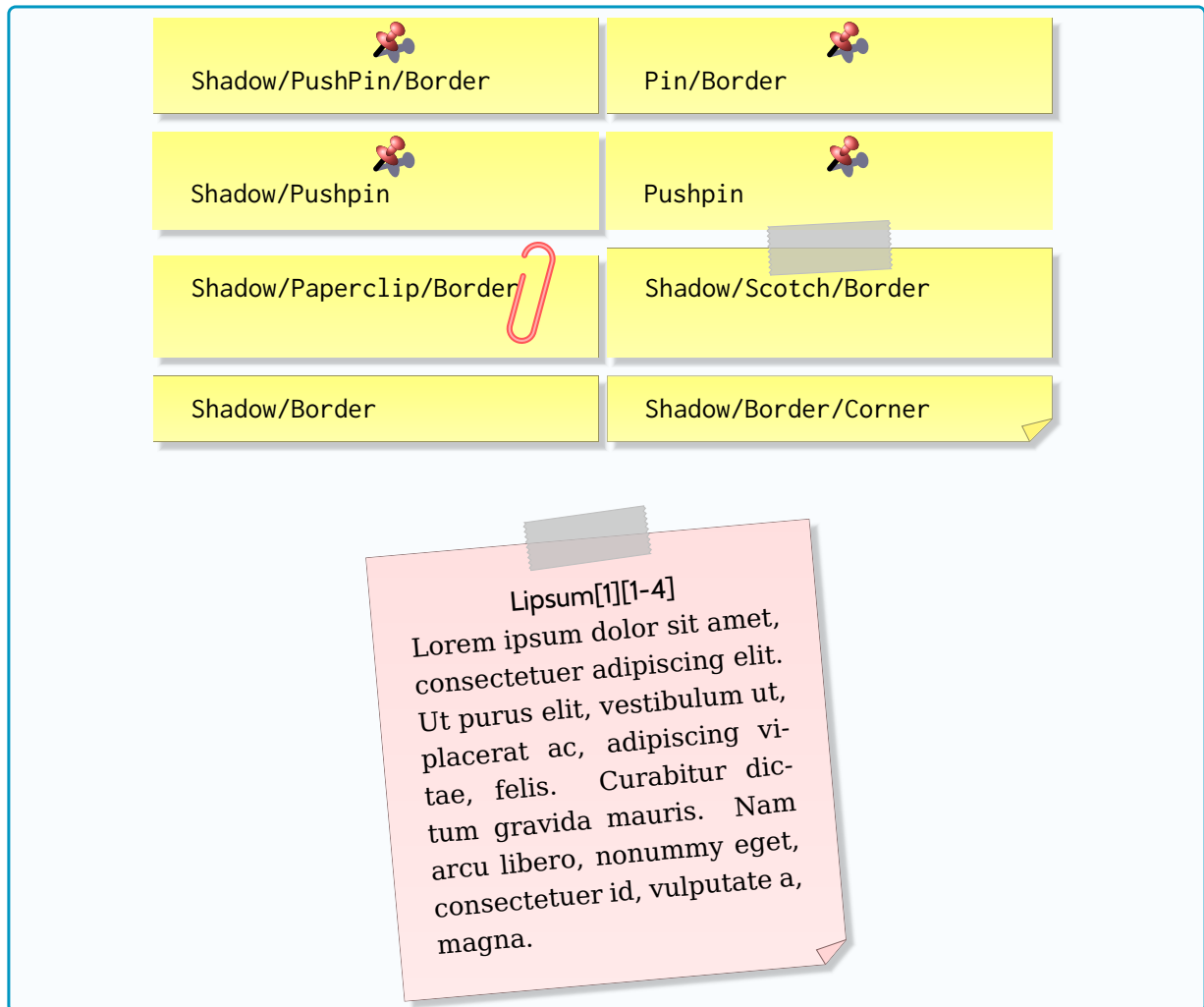
It's classic and good to know !

To solve Diophantine equations, we can use `Bézout's thoerem`, and `Gauss' theorem`, with the `reciprocal`.

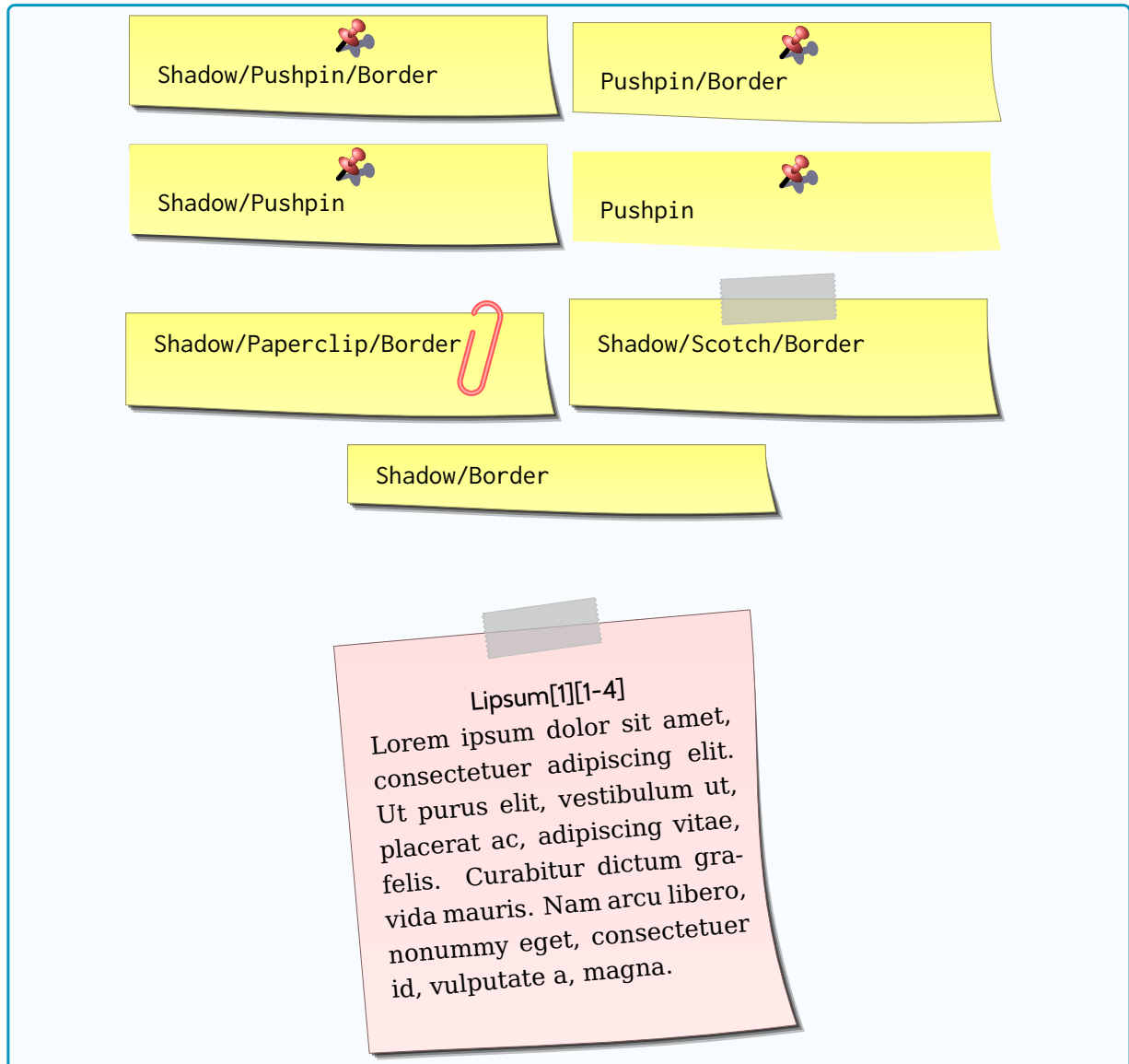
It's classic and good to know !

5 Gallery of styles

5.1 Render by tcbx



5.2 Render by tikz



5.3 Render by tikzv2

