

# postit [en]

Small Post-It notes,  
with tcolorbox or TikZ.

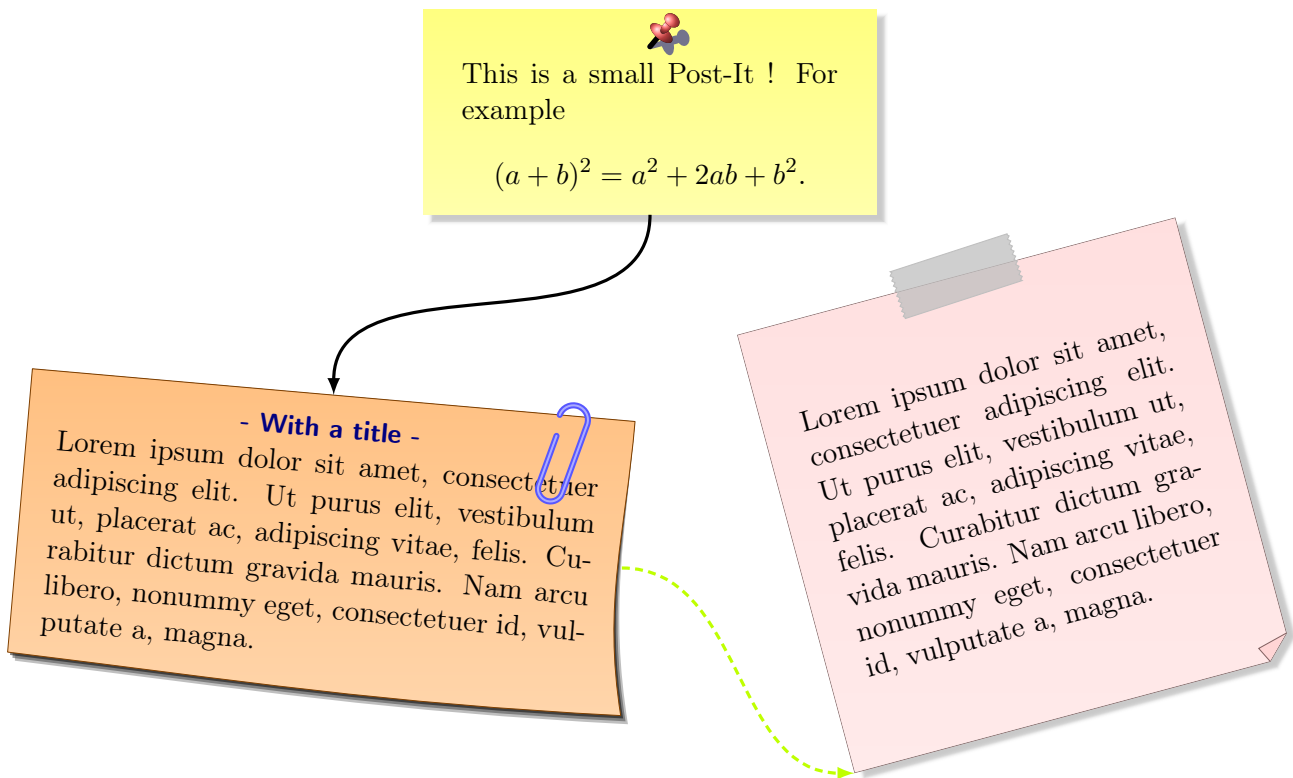
Version 0.1.4 - 25/02/2025

Cédric Pierquet

c pierquet - at - outlook . fr

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

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



---

LaTeX

pdfLaTeX

LuaLaTeX

TikZ

TeXLive

MiKTeX

---

# Contents

<b>1</b>	<b>History</b>	<b>2</b>
<b>2</b>	<b>The package postit</b>	<b>3</b>
2.1	Introduction . . . . .	3
2.2	Loading of the package, and option . . . . .	3
2.3	Compatibility . . . . .	3
<b>3</b>	<b>Post-It Environment</b>	<b>4</b>
3.1	Environment . . . . .	4
3.2	Keys and options . . . . .	5
3.3	Anchor points . . . . .	6
3.4	Examples . . . . .	7
<b>4</b>	<b>Simple inline Post-It Note</b>	<b>10</b>
4.1	Command . . . . .	10
4.2	Arguments . . . . .	10
4.3	Examples . . . . .	10
<b>5</b>	<b>Gallery of styles</b>	<b>11</b>
5.1	Render by tcbox . . . . .	11
5.2	Render by tikz . . . . .	12
5.3	Render by tikzv2 . . . . .	13

## 1 History

- 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 `tcbox`), 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 vitae,  
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}
```



Lorem ipsum dolor sit amet,  
consectetuer adipiscing elit. Ut  
purus elit, vestibulum ut, pla-  
cerat ac, adipiscing vitae, felis.



Lorem ipsum dolor sit amet,  
consectetuer adipiscing elit. Ut  
purus elit, vestibulum ut, pla-  
cerat 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 `tcbbox` 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 `<tcbbox / tikz / tikz2>` ;      default : `<tcbbox>`
- `<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 (`tcbbox`) ;      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.

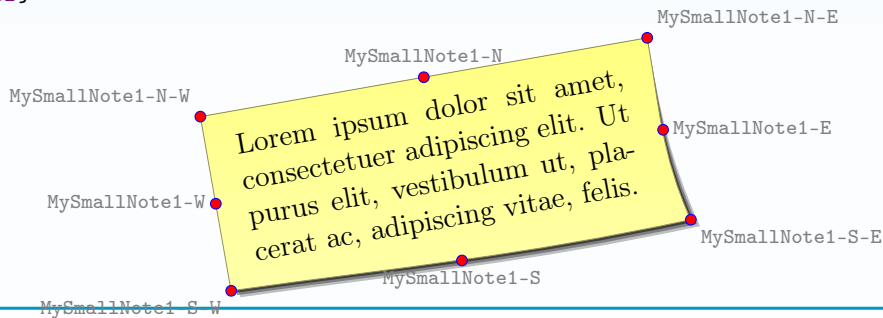
### 3.3 Anchor points



Some anchor points are created with the code :

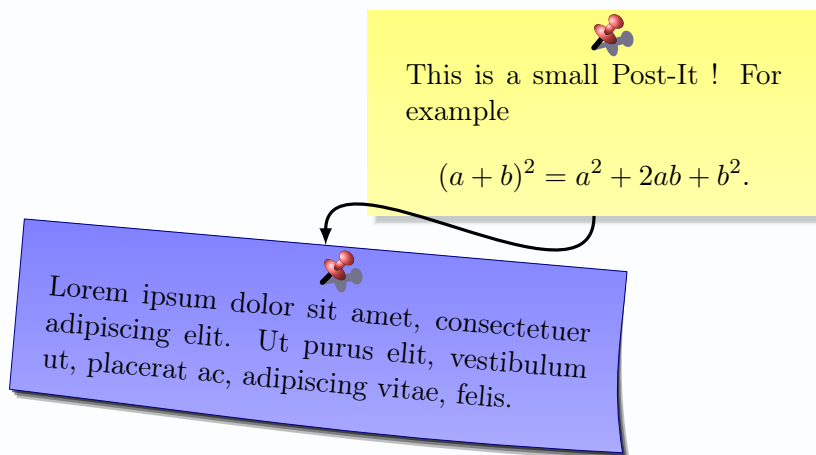
- (`<name>-N`), (`<name>-E`), (`<name>-S`) et (`<name>-W`) for North/East/South/West ;
- (`<name>-N-W`), (`<name>-N-E`), (`<name>-S-E`) and (`<name>-S-W`) for North East/North West/....

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



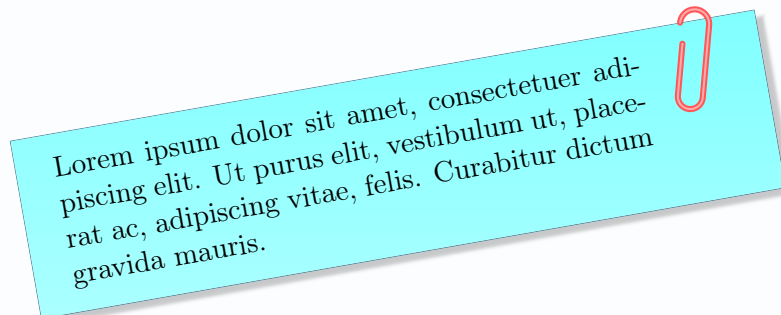
```
\begin{PostItNote}[StorePostIt=NoteY]<center>
  This is a small Post-It ! For example  $[(a+b)^2=a^2+2ab+b^2.]$ 
\end{PostItNote}\\
\begin{PostItNote}[Render=tikz,Width=8cm,Color=blue,Rotate=-5,StorePostIt=NoteZ]
  \lipsum[1][1-2]
\end{PostItNote}

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

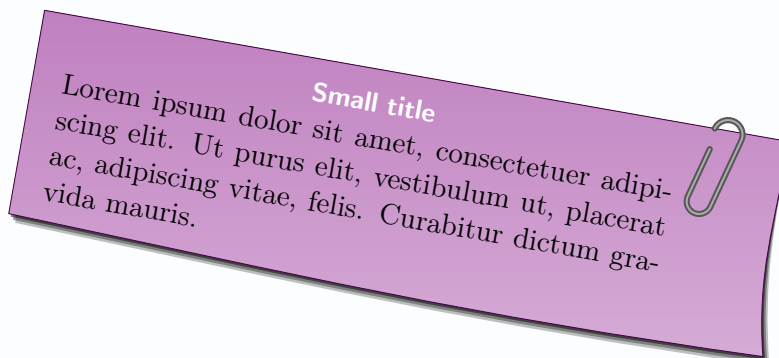


### 3.4 Examples

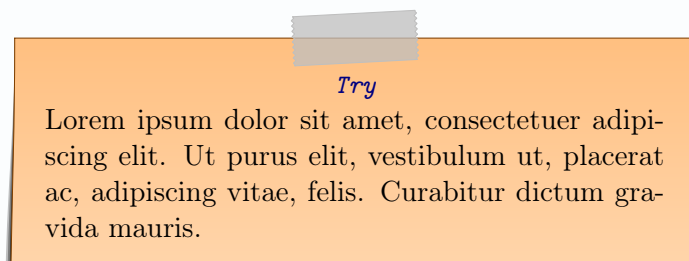
```
\begin{PostItNote}%tcbbox rendering
  [Color=cyan,Pin=Paperclip,Width=10cm,Rotate=10]<center,right=1.5cm>
\lipsum[1][1-3]
\end{PostItNote}
```



```
\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~
```



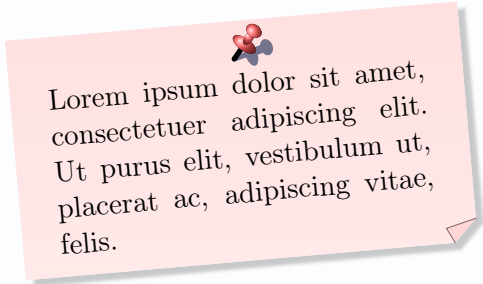
```

%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]
```

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris. Nam arcu libero, nonummy eget, consectetur id, vulputate a, magna. Donec vehicula augue eu neque. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Mauris ut leo. Cras viverra metus rhoncus sem. Nulla et lectus vestibulum urna fringilla ultrices. Phasellus eu tellus sit amet tortor gravida placerat. Integer sapien est, iaculis in, pretium quis, viverra ac, nunc. Praesent eget sem vel leo ultrices bibendum. Aenean faucibus. Morbi dolor nulla, malesuada eu, pulvinar at, mollis ac, nulla. Curabitur auctor semper nulla. Donec varius orci eget risus. Duis nibh mi, congue eu, accumsan eleifend, sagittis quis, diam. Duis eget orci sit amet orci dignissim rutrum.



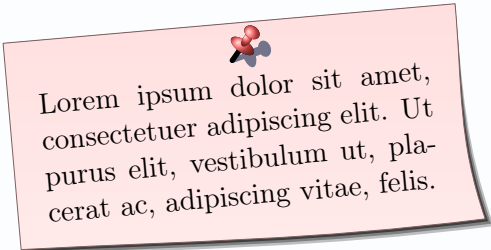
```

%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]
```

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris. Nam arcu libero, nonummy eget, consectetur id, vulputate a, magna. Donec vehicula augue eu neque. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Mauris ut leo. Cras viverra metus rhoncus sem. Nulla et lectus vestibulum urna fringilla ultrices. Phasellus eu tellus sit amet tortor gravida placerat. Integer sapien est, iaculis in, pretium quis, viverra ac, nunc. Praesent eget sem vel leo ultrices bibendum. Aenean faucibus. Morbi dolor nulla, malesuada eu, pulvinar at, mollis ac, nulla. Curabitur auctor semper nulla. Donec varius orci eget risus. Duis nibh mi, congue eu, accumsan eleifend, sagittis quis, diam. Duis eget orci sit amet orci dignissim rutrum.





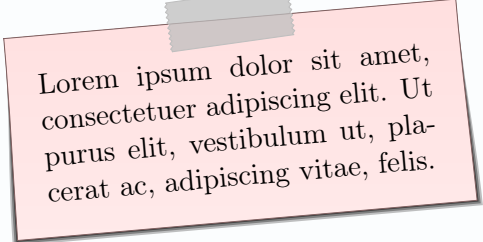
```

%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]
```

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris. Nam arcu libero, nonummy eget, consectetur id, vulputate a, magna. Donec vehicula augue eu neque. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Mauris ut leo. Cras viverra metus rhoncus sem. Nulla et lectus vestibulum urna fringilla ultrices. Phasellus eu tellus sit amet tortor gravida placerat. Integer sapien est, iaculis in, pretium quis, viverra ac, nunc. Praesent eget sem vel leo ultrices bibendum. Aenean faucibus. Morbi dolor nulla, malesuada eu, pulvinar at, mollis ac, nulla. Curabitur auctor semper nulla. Donec varius orci eget risus. Duis nibh mi, congue eu, accumsan eleifend, sagittis quis, diam. Duis eget orci sit amet orci dignissim rutrum.



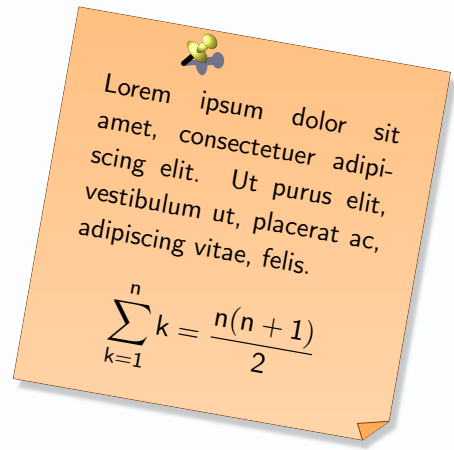
A small Post-It, and vertically aligned :

```

%
\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 :



## 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 (`\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}.
```

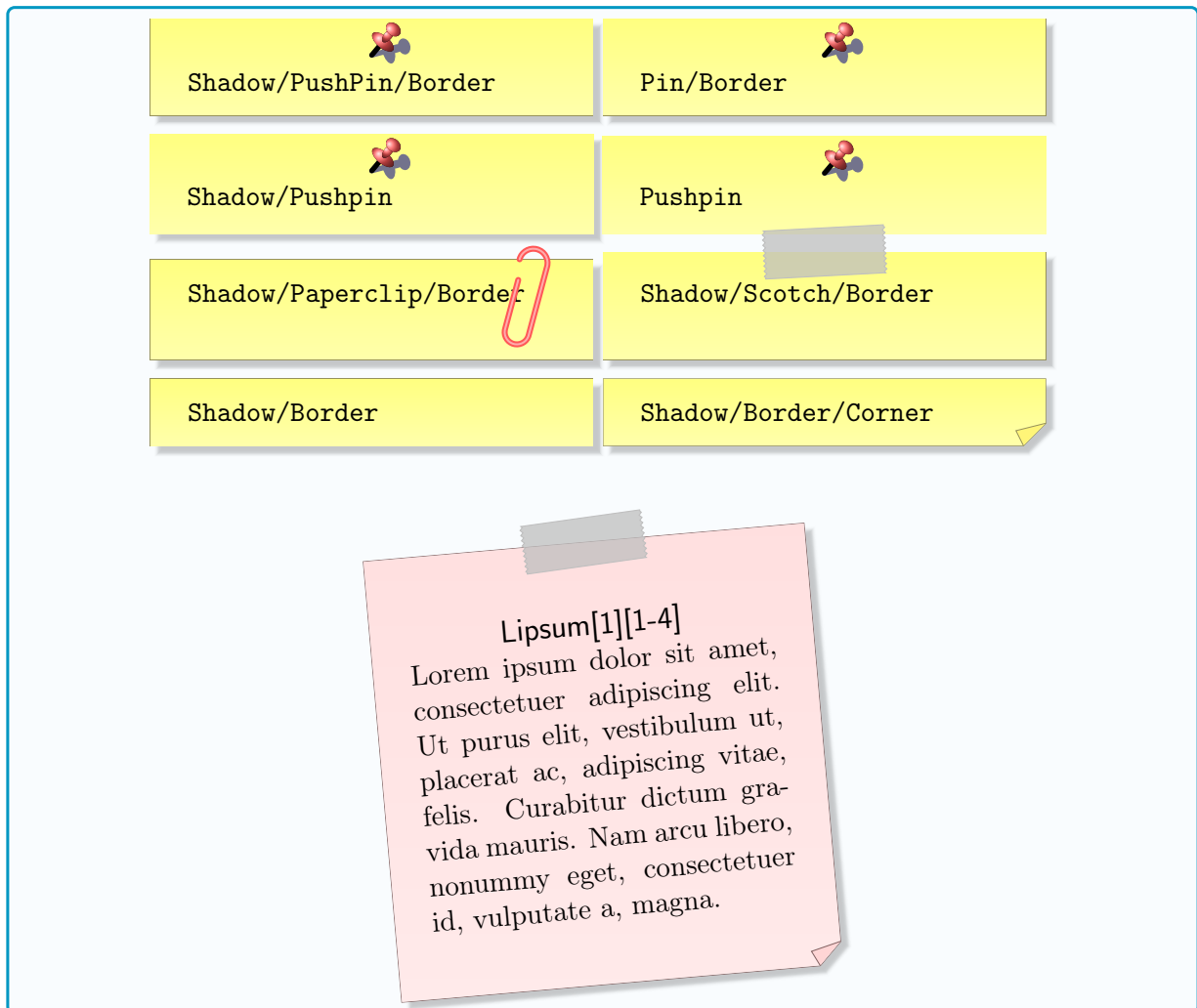
It's classic and good to know !

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

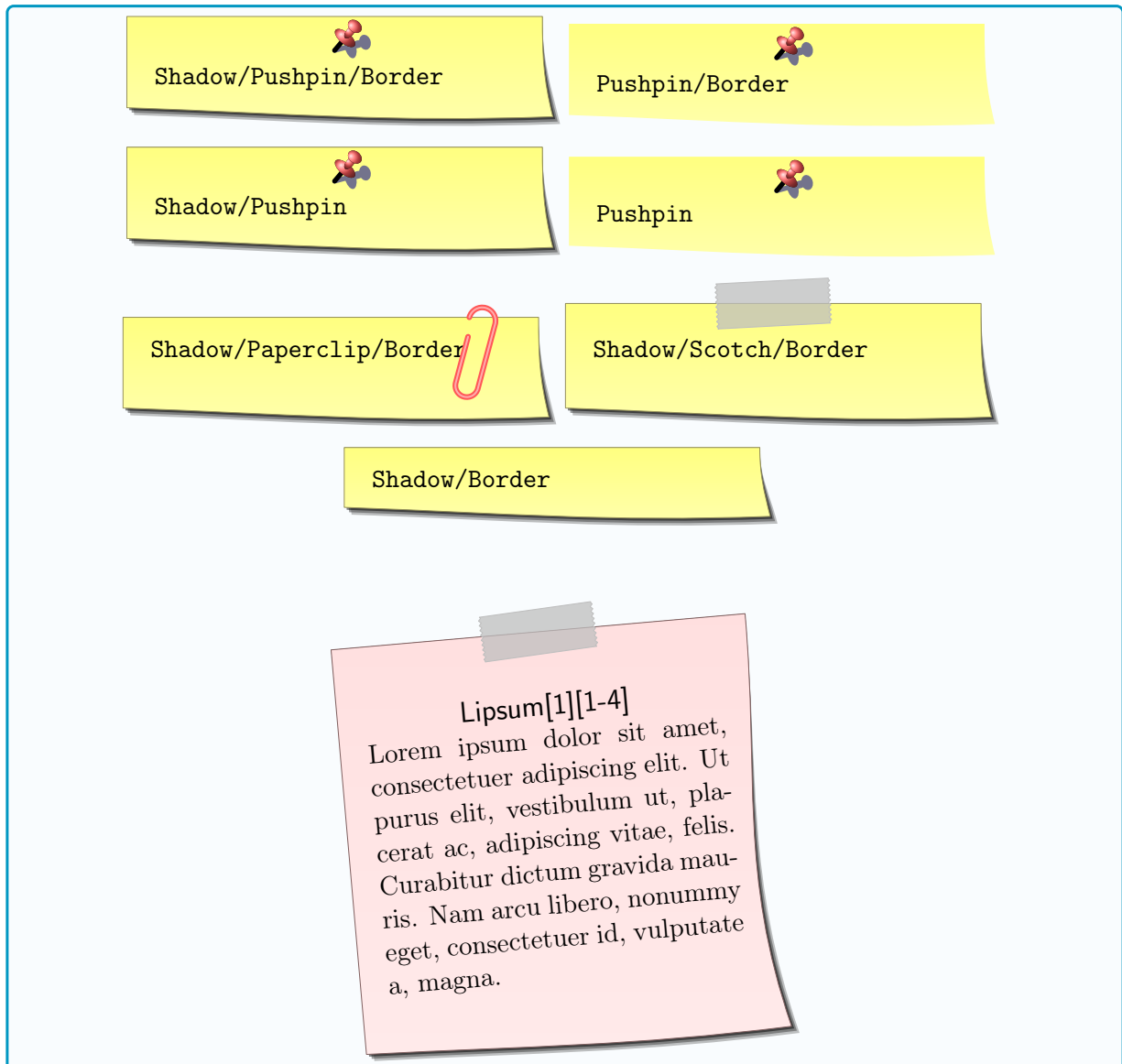
It's classic and good to know !

## 5 Gallery of styles

### 5.1 Render by tcbox



## 5.2 Render by tikz



### 5.3 Render by tikzv2

