

# postit [en]

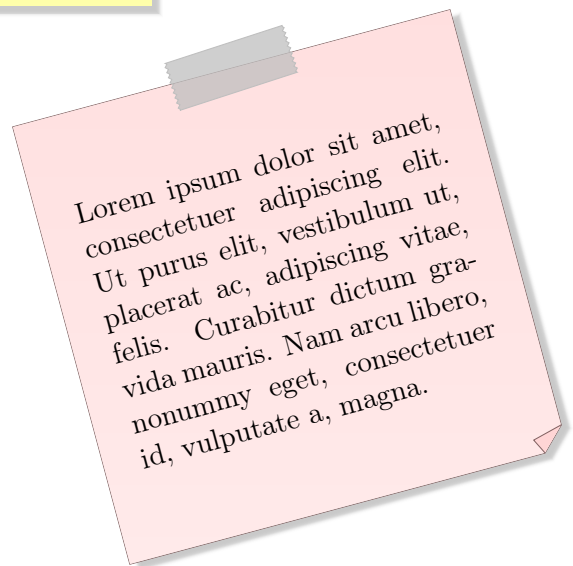
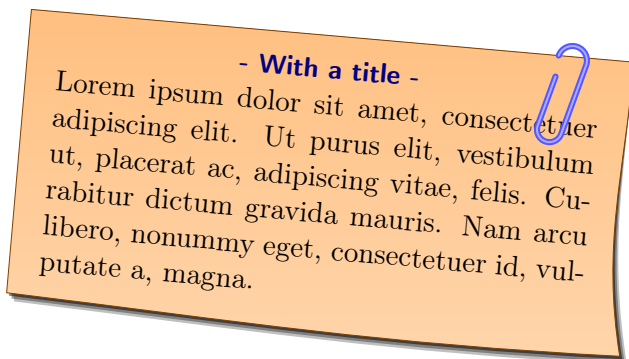
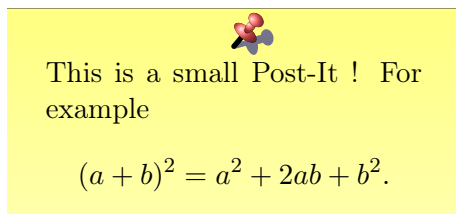
Small Post-It notes,  
with tcolorbox or TikZ.

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<https://github.com/cpierquet/postit>

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



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LaTeX

pdfLaTeX

LuaLaTeX

TikZ

TeXLive

MiKTeX

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## 1 History

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.

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.decorations` ;
  - `tikz.decorations.pathmorphing` ;
- `settobox`, `xstring` 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 `tcbox` rendering, a vertical spacing before can be necessary, like `\vspace` or `\bigskip`...

### 3.2 Clés et options



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

- `<Width>` : width (in cm) of the Post-It ; default : `<6cm>`
- `<Color>` : color of the Post-It (border is a bit darker) ; default : `<yellow>`
- `<Height>` : hieght (in cm, if needed) of the Post-It (*automatic* by default) ; default : `<auto>`
- MAJ 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>`
- MAJ 0.1.1 `<Title>` : add a title (1st line and/or under the pin) ; default : `<empty>`
- MAJ 0.1.1 `<Fonttitle>` : font of the titel ; default : `<\normalfont\normalfont>`
- MAJ 0.1.1 `<ExtraRightMargin>` : add (with `tikz` rendering, and in cm) à right margin ;  
default : `<0cm>`
- `<AlignV>` : vertical alignement 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>`

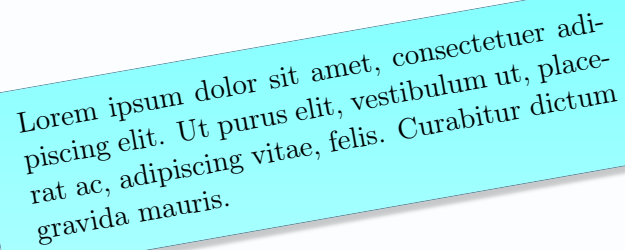


The second argument, optional and between `<...>` is used to parse options to the `tcbox`. They can be used to modify locally options not present in the keys.

```

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

```



Lorem ipsum dolor sit amet, consectetur adi-  
 piscing elit. Ut purus elit, vestibulum ut, place-  
 rat ac, adipiscing vitae, felis. Curabitur dictum  
 gravida mauris.

```

\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~

```

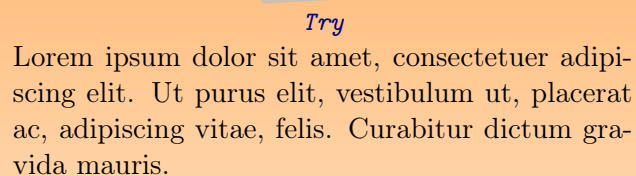


*Small title*  
 Lorem ipsum dolor sit amet, consectetur adipi-  
 scing elit. Ut purus elit, vestibulum ut, placerat  
 ac, adipiscing vitae, felis. Curabitur dictum gra-  
 vida mauris.

```

\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~

```



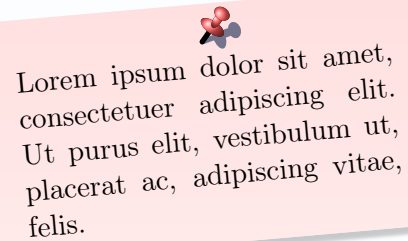
*Try*  
 Lorem ipsum dolor sit amet, consectetur adipi-  
 scing elit. Ut purus elit, vestibulum ut, placerat  
 ac, adipiscing vitae, felis. Curabitur dictum gra-  
 vida mauris.

### 3.3 Examples

```
%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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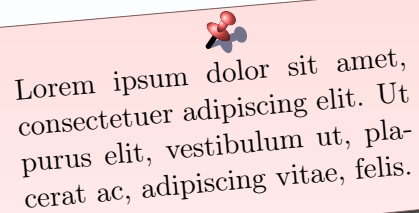


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```
%usepackage{wrapstuff}
\begin{wrapstuff}[r,top=1]
\begin{PostItNote}[Rotate=5,Render=tikz,Color=pink,PinkColor=blue,Border=false]
\lipsum[1][1-2]
\end{PostItNote}
\end{wrapstuff}
```

```
\lipsum[1]
```

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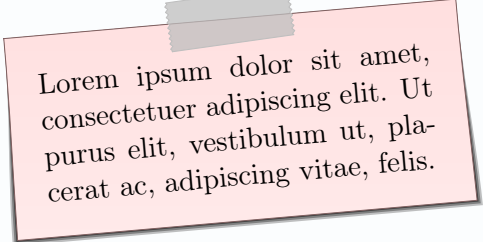
```

%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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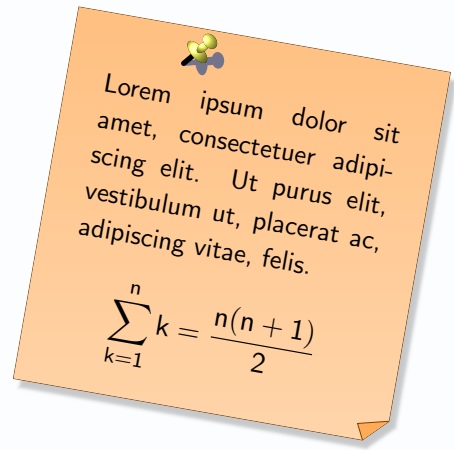
A small Post-It, and vertically aligned :

```

%
\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 :





## 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]{Bezout's theorem},  
and \MiniPostIt{Gauss' theorem}, with the \MiniPostIt*[cyan]{reciprocal}.
```

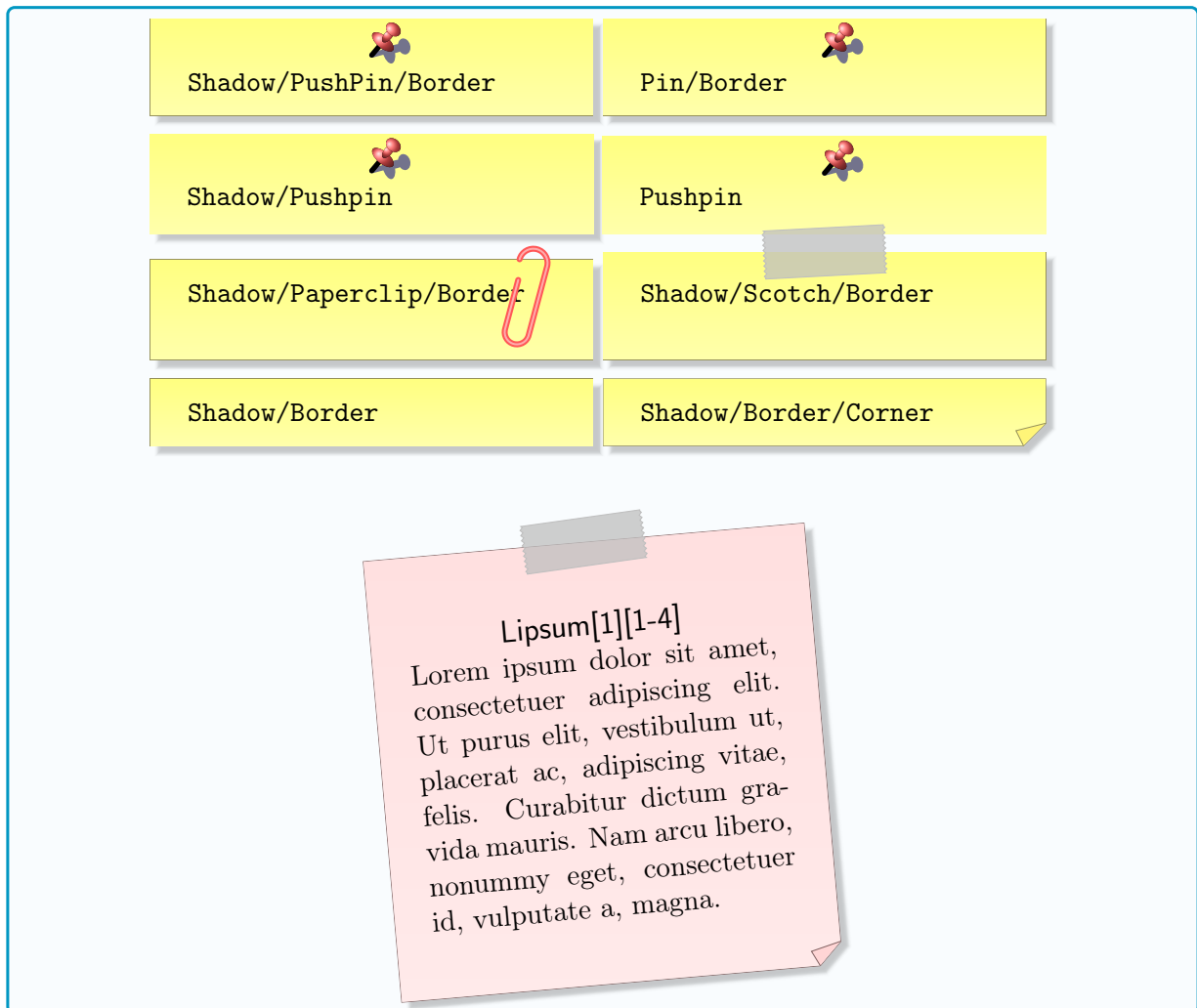
It's classic and good to know !

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

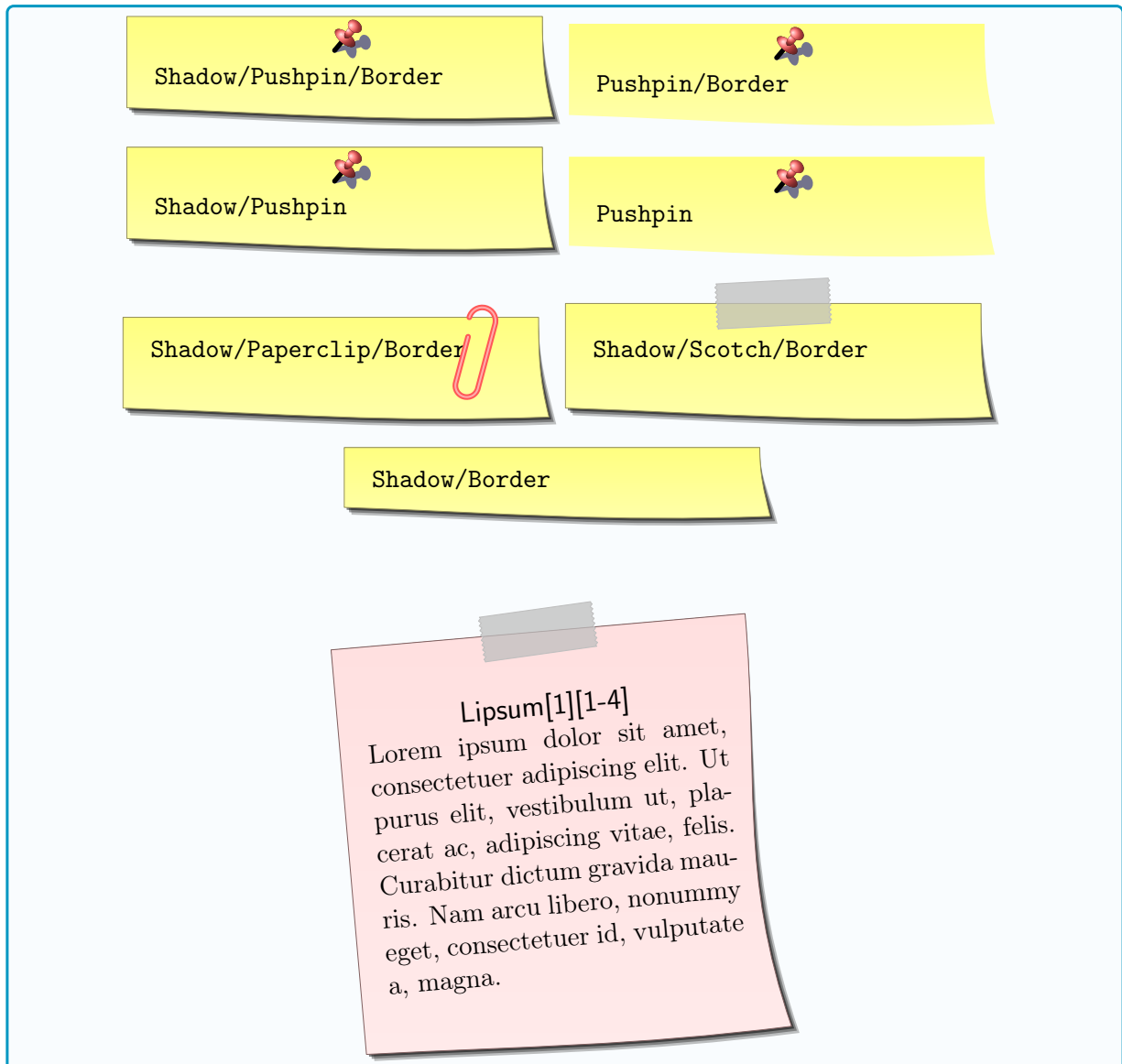
It's classic and good to know !

## 5 Gallery of styles

### 5.1 Render by tcbox



## 5.2 Render by tikz



### 5.3 Render by tikzv2

