# tikz-decofonts

Simple "decoration" fonts, made with Ti*k*Z, for small texts...

Version 0.1.2 – 03/02/2025

Cédric Pierquet
c pierquet – at – outlook . fr
https://forge.apps.education.fr/pierquetcedric/packages-latex

---

```
%paintbrush effect
\tkzbrush[color=blue]{DECORATION}
%paintink effect
\tkzink[color=orange]{DECORATION}
%pixeletter effect
\tkzpixl[color=violet]{DECORATION}
%bicolor effect
\tkzbicolor[colors=blue/red,style=ndiag]{\Huge\sffamily DECORATION}
\tkzbicolor[colors=teal/orange,style=ellips]{\Huge\sffamily DECORATION}
```





---

*Ideas and parts of codes, with* CC BY-SA 4.0 *licenses, come from :*

- [link on tex.stackexchange] from user121799 for paintbrush;
- [link on tex.stackexchange] from user121799 for inkbrush.

# Contents

# 1 Loading, useful packages, purposes and acknowledgments

## 1.1 Loading and useful packages

In order to load tikz-decofonts, simply use:

```
\usepackage{tikz-decofonts}
```

Loaded packages are tikz, xintexpr, simplekv, listofitems and xstring.
Loaded tikz.librairies are decorations, decorations.pathreplacing, calc, positioning, bbox, arrows.meta, shapes.callouts and bending.

Globally, height of rendering is about 1cm, but some customization are available.

## 1.2 Purposes and acknowledgments

The purposes of this small package is not to provide full fonts, with all characters, but give restricted possibility to present **short** texts of title with *cute* effects.

These decorations are not destined to be use for whole paragraphs or texts, but just for fun for small titles or small texts.

Since many calculations are required internally, compilation time can be increased, so be careful with intensive use!

*Ideas and parts of codes, with* CC BY-SA 4.0 *licenses, come from:*

- [link on tex.stackexchange] from user121799 for paintbrush;
- [link on tex.stackexchange] from user121799 for inkbrush.

Some adjustments (keys, paths) are maid from original code, but the global usage is due to the links above !

# 2 The different effects

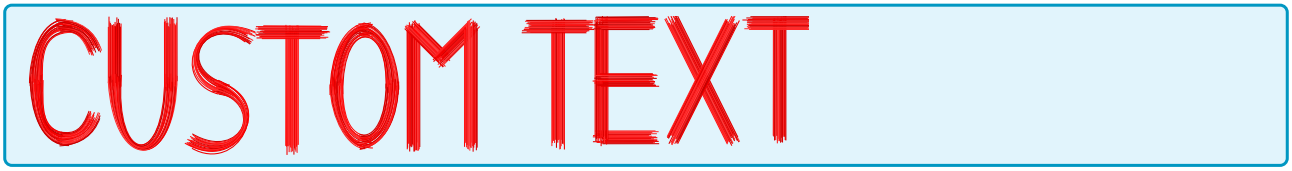
## 2.1 Paint brush

💣 The effect is **very** *time-consuming* to compile !!

```
%only uppercase letters allowed
\tkzbrush[color=...,lines=...,scale=...]<tikzpicture options>{short text}

%color = black by default
%lines = 12 by default
%scale = 1 by default
```

```
%default output
\tkzbrush{TIKZ DECORATION}
```


```
%customization(s) (external file for speeding rendering ^^)
\tkzbrush[color=red,lines=20,scale=1.5]{CUSTOM TEXT}
```



## 2.2 Ink brush

```
%only uppercase letters allowed
\tkzink[color=...,thick=...,scale=...]<tikzpicture options>{short text}

%color = black by default
%thick = 3 by default
%scale = 1 by default
```

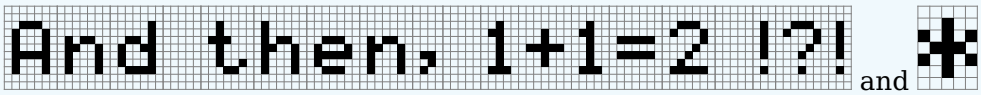
```
%default output
\tkzink{TIKZ DECORATION}
```


```
%customization(s)
\tkzink[color=olive,thick=5,scale=2]{TIKZ DECORATION}
```

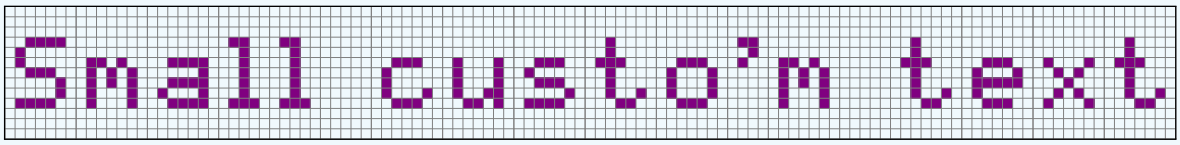
## 2.3 Pixl brush

```
%regular letters allowed (upper and/or lower), rendered characters are 5 columns x 7 lines
\tkzpixl%
    [height=...,thick=...,color=...,gridcolor=...,border=...,
    offseth=...,offsetv=...,gridafter=...,nospaceafter=...]
    <tikzpicture options>{short text}

\tkzpixletter%
    [height=...,thick=...,color=...,gridcolor=...,border=...,
    offseth=...,offsetv=...,gridafter=...,nospaceafter=...]
    <tikzpicture options>{letter}

\tkzpixlquote%if problem with '...
    [height=...,thick=...,color=...,gridcolor=...,
    offseth=...,offsetv=...,gridafter=...,nospaceafter=...]
    <tikzpicture options>

%height = 11mm by default, thick = 0.1mm by default
%color = black by default, gridcolor = gray by default
%offseth = 1 by default (squares left/right of regular character)
%offsetv = 2 by default (squares above/below of regular character)
%boder = false by default (boolean for adding border)
%gridafter = false by default (boolean for showing grid after pixls)
%nospaceafter = false by default (boolean for removeing hspace after pixls)
```

```
%default output, comparaison with character w/o offsets (5*7)
\tkzpixl{And then, 1+1=2 !?!} and \tkzpixletter[offseth=0,offsetv=0]{*}
```




```
%customization(s)
\tkzpixl[color=violet,height=1.75cm,gridafter,offsetv=3,border]{Small custo'm text}
```



## 2.4 Bicolor effect

```
%compatible with all fonts and/or sizes
\tkzbicolor%
    [colors=...,style=...,intdelta=...]
    {text}

\tkzbicolor%with paral style
    [paralcolors=...,style=paral,intdelta=...]
    {text}

%style = midh/midv/rect/ellips/paral (paral by default)
%colors = red/blue by default,
%paralcolors = red/blue/orange/gray by default
%intdelta = 0.66 by default, percentage of int dim for ellips/rect
```

```
\def\sampleformula{$\displaystyle\int_0^1 \dfrac{1+x}{1+x^2}\,\mathrm{d}x$}
\def\sampletxt{But I must explain to you how all this mistaken idea of denouncing pleasure.}
\def\samplenum{1500}
```

```
\tkzbicolor[style=midh]{\sampleformula}
or \tkzbicolor[colors=violet/magenta,style=midv]{\sampleformula}
or \tkzbicolor[colors=darkgray/olive,style=ndiag]{\sampleformula}
or \tkzbicolor[colors=orange/teal,style=sdiag]{\sampleformula}
or \tkzbicolor[colors=orange/teal,style=ellips]{\sampleformula}
or \tkzbicolor[colors=pink/violet,style=rect]{\sampleformula}
```

$\int_0^1 \frac{1+x}{1+x^2}\,\mathrm{d}x$ or $\int_0^1 \frac{1+x}{1+x^2}\,\mathrm{d}x$ or $\int_0^1 \frac{1+x}{1+x^2}\,\mathrm{d}x$ or $\int_0^1 \frac{1+x}{1+x^2}\,\mathrm{d}x$ or $\int_0^1 \frac{1+x}{1+x^2}\,\mathrm{d}x$ or $\int_0^1 \frac{1+x}{1+x^2}\,\mathrm{d}x$

```
\tkzbicolor[style=midh]{\sampletxt}\par
\tkzbicolor[colors=violet/magenta,style=midv]{\sampletxt}\par
\tkzbicolor[colors=darkgray/olive,style=ndiag]{\sampletxt}\par
\tkzbicolor[colors=orange/teal,style=sdiag]{\sampletxt}\par
\tkzbicolor[colors=orange/teal,style=ellips]{\sampletxt}\par
\tkzbicolor[colors=pink/violet,style=rect]{\sampletxt}
```

But I must explain to you how all this mistaken idea of denouncing pleasure.
But I must explain to you how all this mistaken idea of denouncing pleasure.
But I must explain to you how all this mistaken idea of denouncing pleasure.
But I must explain to you how all this mistaken idea of denouncing pleasure.
But I must explain to you how all this mistaken idea of denouncing pleasure.
But I must explain to you how all this mistaken idea of denouncing pleasure.

```
\tkzbicolor[style=midh]{\parbox{2.5cm}{\sampletxt}}
\tkzbicolor[colors=violet/gray,style=midv]{\parbox{2.5cm}{\sampletxt}}
\tkzbicolor[colors=darkgray/olive,style=ndiag]{\parbox{2.5cm}{\sampletxt}}
\tkzbicolor[colors=orange/cyan,style=sdiag]{\parbox{2.5cm}{\sampletxt}}
\tkzbicolor[colors=pink/violet,style=ellips]{\parbox{2.5cm}{\sampletxt}}
\tkzbicolor[colors=pink/violet,style=ellips,intdelta=0.85]{\parbox{2.5cm}{\sampletxt}}
\tkzbicolor[colors=cyan/darkgray,style=rect]{\parbox{2.5cm}{\sampletxt}}
```

But I must explain to you how all this mistaken idea of denouncing pleasure.

But I must explain to you how all this mistaken idea of denouncing pleasure.

But I must explain to you how all this mistaken idea of denouncing pleasure.

But I must explain to you how all this mistaken idea of denouncing pleasure.

But I must explain to you how all this mistaken idea of denouncing pleasure.

But I must explain to you how all this mistaken idea of denouncing pleasure.

But I must explain to you how all this mistaken idea of denouncing pleasure.

```
\tkzbicolor[style=paral]{\parbox{6cm}{\large\sffamily\sampletxt}}
```

But I must explain to you how all this mistaken idea of denouncing pleasure.

```
\tkzbicolor[style=midh]{\samplenum}\par
\tkzbicolor[colors=violet/magenta,style=midv]{\samplenum}\par
\tkzbicolor[colors=darkgray/olive,style=ndiag]{\samplenum}\par
\tkzbicolor[colors=orange/teal,style=sdiag]{\samplenum}\par
\tkzbicolor[colors=orange/teal,style=ellips]{\samplenum}
```

1500

1500

1500

1500

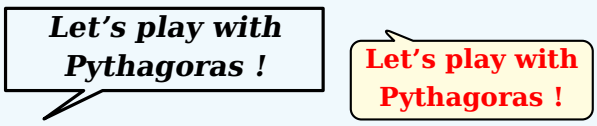
1500

## 2.5 Comic bubble

```
%style tikz
\tikzset{comicbubble/.style args={#1#2}{%
    inner sep=1mm,line join=round,rectangle callout,draw,very thick,
    text width=#1,align=flush center,callout relative pointer=#2}}
```

```
%independant macro
\tkzcomicbubble[%
    width=...,coltxt=...,colbg=...,colframe=...,pospointer=(...),
    font=...,rcorners=true/false]%
    <tikz options>{text}

%with tikzpicture environment
\begin{tikzpicture}
    %...
    \tkzcomicbubble*[%
        width=...,coltxt=...,colbg=...,colframe=...,pospointer=(...),
        font=...,rcorners=true/false]%
        <tikz options>{text}
\end{tikzpicture}
```

```
\def\mytext{Let's play with Pythagoras !\relax}
\tkzcomicbubble[font=\large\bfseries\itshape]{\mytext}~~
\tkzcomicbubble%
    [width=3cm,coltxt=red,colframe=teal,font=\bfseries,
    colbg=yellow!15,pospointer={(150:1em)},rcorners]%
    <thick>%
    {\mytext}
```




```
%\usepackage{setspace}
\def\mytext{Let's use Pythagoras !\relax}
{\tikz[rotate=-15,transform
    shape]\tkzcomicbubble*[width=2.5cm,font=\large\sffamily]<execute at begin
    node={\setlength{\baselineskip}{0.75\baselineskip}}>{\mytext};}
```

# 3 History

0.1.2: Comic bubble
0.1.1: Bicolor effect
0.1.0: Initial version