

The TikZmarmots package

using marmots in TikZ



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<https://github.com/samcarter/tikzmarmots>

<https://www.ctan.org/pkg/tikzmarmots>

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Note

The TikZmarmots package was merged into the TikZlings package and, starting with version 2.0, is now a wrapper around the `tikzlings-marmots` package.

To access the previous version, use `\usepackage{tikzmarmots}[v1]`.

1 Introduction

Inspired by the enthusiasms of the TeX.Stackexchange user [@marmot](#) for beings of the same species, this little package can draw marmots using TikZ.

Unlike its older sibling, the TikZducks package, this packages focuses on drawing the marmot itself. Additional accessories are not part of the package, but can be taken from other sources.

This package is work in progress, therefore I would be happy to hear your feedback and ideas how to improve the package. The head version of the source code can be found on github.com/samcarter/tikzmarmots, including a bug tracker – please make constructive use of it! A more stable package version can be found on CTAN (www.ctan.org/pkg/tikzmarmots) and is included in both MiKTeX and TeXLive as TikZmarmots. If you seek any other assistance (not bug reports/feature requests), I suggest asking on [TeX.Stackexchange](#).

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The shown example marmots are purely fictional characters, any resemblance to real marmots or persons is purely coincidental and no copyright infringement is intended.



2 Phil, the marmot

Phil got his name from Punxsutawney Phil, the famous weather forecasting groundhog

2.1 Package name

```
\usepackage{tikzlings-marmots}
```

2.2 Basic Usage

```
\marmot
```



2.3 Options

The basic marmot can be modified by changing its colour:

```
\marmot[body=blue]
```



In addition to the colour of the body, the colour of various body parts can be adjusted:

```
\marmot[eye=red]
```



```
\marmot[mouth=red]
```



The marmot can also blush

```
\marmot[blush=red]
```



and whiskers can be added:

```
\marmot[whiskers=gray]
```



Some marmots even show their chisel teeth:

```
\marmot[teeth=white]
```



or can cast a shadow:

```
\marmot[shadow]
```



This ability is important if you want to ask Punxsutawney Phil¹ on Groundhog Day how the weather is going to be. With a probability derived from the statistics of 120 Groundhog Days² the option `askphil` might or might not result in a shadow.

```
\marmot[askphil]
```



If a good weather prognosis is derived, the happy marmot can dance by lifting up its left and right foot:

```
\marmot[leftstep]  
\marmot[rightstep,xshift=2cm]
```



To view the marmot from behind:

```
\marmot[back]
```



¹ https://en.wikipedia.org/wiki/Punxsutawney_Phil

² <https://www.livescience.com/32974-punxsutawney-phil-weather-prediction-accuracy.html>

The key `3D` will make the marmot 3-dimensional:

```
\marmot[3D]
```



And finally the `contour` key will only draw the outlines:

```
\marmot[contour=black]
```



If the size of the marmots should be changed or shifted:

Scaled and shifted marmots

```
\begin{tikzpicture}[scale=0.6]
  \marmot
  \marmot[xshift=90pt, scale=.5,
    yshift=150pt,body=brown!80!gray]
  \marmot[xshift=60pt, scale=.5,
    yshift=100pt,body=brown!80!yellow]
  \marmot[xshift=80pt, scale=.5,
    yshift=50pt,body=brown!80!red]
\end{tikzpicture}
```



To make the usage easier for the TikZ-savvy users, the marmots can also be used as TikZ library. It can be loaded with `\usetikzlibrary{marmots}`. In addition to the normal functionality of the TikZmarmots package, the marmots are now also available as `pic`. A short example:

TikZ library “marmots”

```
\documentclass{standalone}

\usepackage{tikz}
\usetikzlibrary{marmots}

\begin{document}

\begin{tikzpicture}
\draw (0,0) pic[
  marmot/body=blue,
  marmot/blush,
] {marmot};
\draw (2,0) pic[
  scale=1.4,
] {marmot};
\end{tikzpicture}

\end{document}
```



3 Further customisation

The above list of available customisations does not sound very exhaustive, but there are basically infinite possibilities for further customisation, as the marmots are just shapes in a TikZ picture – all the heavy weapons of the TikZ package are thus available for further customisation.

Adding things to the marmot

```
\begin{tikzpicture}
  \marmot
  \fill[blue] (0,0) rectangle (1,1);
\end{tikzpicture}
```



4 Re-using accessories from the TikZlings package

As already said in the introduction, this package focuses on the marmots themselves and does not provide additional accessories. However there is no need to despair! There are many accessories available from the `tikzlings-addons` package (<https://www.ctan.org/pkg/tikzlings>).

Marmot Queen³

```
%\usepackage{tikzlings-addons}
\begin{tikzpicture}
  \marmot
  \thing[crown]
\end{tikzpicture}
```



The items can be modified with the usual TikZ keys and come with additional options. Here one example:

Happy Birthday!

```
%\usepackage{tikzlings-addons}
\begin{tikzpicture}
  \marmot
  \thing[cake=red!50!violet,
        scale=1.2]
\end{tikzpicture}
```



Please consult the [TikZlings package documentation](#) for an exhaustive list of options.

³ The Marmot Queen is inspired by [The Fanes' saga](#)

