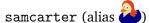
## The TikZducks package

using ducks in TikZ



https://github.com/samcarter8/tikzducks https://www.ctan.org/pkg/tikzducks

Version 0.5a - November 23, 2017

### 1 Introduc(k)tion

Rubber ducks can be made of latex, but can they also be made with  $\[Me]_{Z}$ ? Yes! The TikZducks package is a  $\[Me]_{Z}$ X package for rubber ducks to be used in TikZ pictures. This project is a continuation of an answer at TeX.Stackexchange: How can we draw a duck?

This package is work in progress (and will probably never be really finished as there is an infinite amount of things which could be added), 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/samcarter8/tikzducks, including a bug tracker – please make constructive use of it! A more stable package version can be found on CTAN (www.ctan.org/pkg/tikzducks) and is included in both MiKTEX and TEXLive as TikZducks. If you seek any other assistance (not bug reports/feature requests), I suggest using the {tikzducks}-tag on TeX.Stackexchange.

#### 1.1 Acknowledgements

Without the friendly and helpful community of TeX.Stackexchange this package would not exist. I would like to thank a few fellow users in particular:

First of all Carla Maggi for pointing out the overwhelming need of having a TikZducks package and valuable contribution to the package code, in particular the football ducks and Paulo Cereda for his contagious enthusiasm for ducks (*Quack!*). Many other users contributed to this package (in random order): Enrico Gregorio helped to implement the \tikzset{} interface which makes it much easier to adjust the properties of the ducks to fit the user needs, Symbol 1 solved a few problems with default key values, Ulrike Fischer gave valuable TikZ advices and came to rescue for the keyword highlighting in the documentation, Mihikma created the duck's beard and last but not least my thanks go to Martin Schröder for his feedback to the code review.

The ducks mostly consist of basic geometric shapes drawn in TikZ. Some of the more complex shapes (e.g. the different hair styles) are first drawn in inkscape (https://inkscape.org) and then exported to TikZ paths using the SVG to TikZ/PGF extension (https://github.com/kjellmf/svg2tikz).



#### 1.2 Dependencies

The TikZducks package loads the packages xcolor and TikZ, both without any options. If you require one of these packages to be loaded with some option, please consider loading it yourself before the TikZducks package or use, e.g.

\PassOptionsToPackage{svgnames}{xcolor}

It also uses the \usetikzlibrary{patterns} and \usetikzlibrary{calc}. Furthermore the packages ifpdf and ifluatex are necassary starting with version 0.5 of this package.

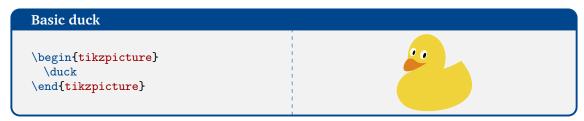
#### 1.3 License

Copyright © samcarter. Permission is granted to copy, distribute and/or modify this software under the terms of the LaTeX project public licence, version 1.3c or later http://www.latex-project.org/lppl.txt.

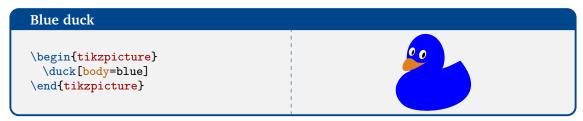
The shown example ducks are purely fictional characters, any resemblance to real ducks or persons is purely coincidental and no copyright infringement is intended.

#### 2 Usage

The basic usage is fairly simple, to draw a duck:



To customise this basic duck, the package uses pgf keys. For almost all parts the colour can be changed using <shape name>=<colour name>. For example to change the colour of the duck:





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

```
Scaled duck and The Ugly Duckling

\begin{tikzpicture} [scale=0.6]
    \duck
    \begin{scope} [xshift=90pt, scale=.3, yshift=150pt]
        \duck
    \end{scope}
    \begin{scope} [xshift=60pt, scale=.3, yshift=100pt]
        \duck
    \end{scope}
    \begin{scope} [xshift=80pt, scale=.3, yshift=50pt]
        \duck [body=gray!50!white, head=gray!50!white]
    \end{scope}
    \end{scope}
\end{tikzpicture}
```

#### 2.1 Body parts

The various parts of the duck can also be coloured independently, i.e. body, head or bill:

```
Harlequin duck

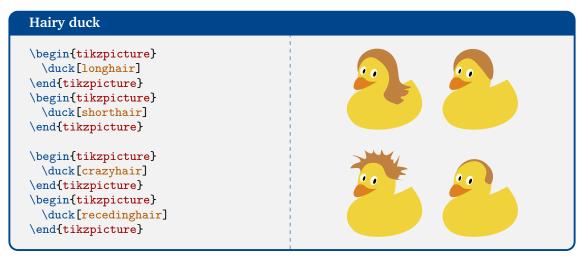
\begin{tikzpicture}
    \duck[body=yellow,
        head=yellow!50!orange,
        bill=red,
        eye=green]
\end{tikzpicture}
```

Furthermore using the keyword grumpy the shape of the bill can be changed:

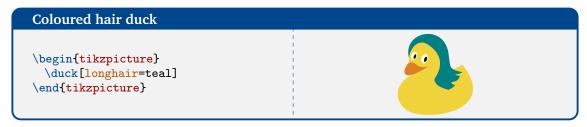


#### 2.2 Hair styles

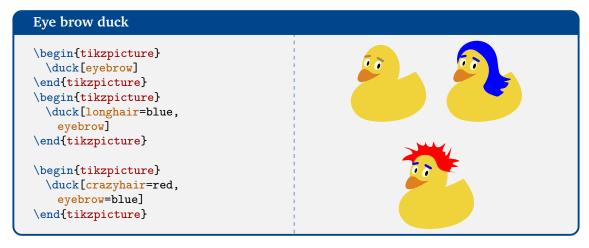
Some duck also like to have nice hair cuts, several different hair styles are available:



And of course the colour of each hair style can be adjusted:



Eyebrows and a beard are also part of the package. The colour choice is more tricky for them — if a colour is explicitly specified (eyebrow=<colour name> or beard=<colour name>) this colour is of course used, but if no colour is given, it first falls back to the hair colour and only if the duck does not have any hairs, the default colour is applied.

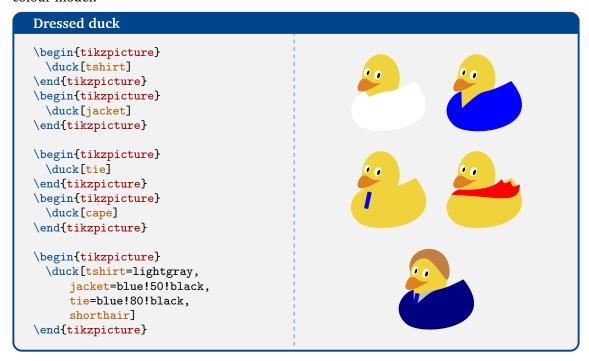






#### 2.3 Clothing

A respectable duck needs a suitable wardrobe. It can choose from a tshirt, a jacket and a tie. In it's infinite wardrobe these items are available in all colours definable in the current colour model.



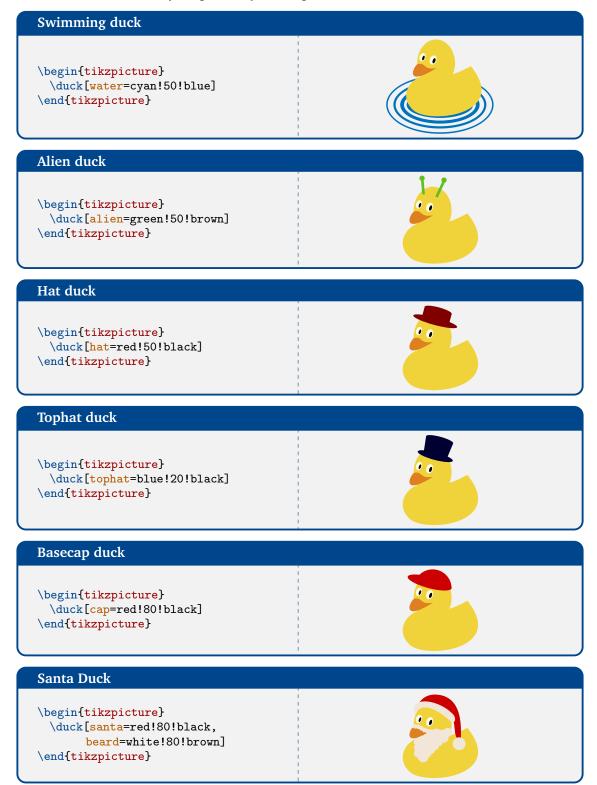
For more ways to customise the clothing also have a look at the football ducks in Section 5.

<sup>&</sup>lt;sup>1</sup> The beard is based on an answer by Mihikma, see https://tex.stackexchange.com/a/401777/36296



#### 2.4 Accessories

There is a multitude of things a duck might need. The following examples all also work without specifying a colour, but giving both an example with and one without explicit colour just makes this overview unnecessary long, so only one is given.





## **Graduate duck** \begin{tikzpicture} \duck[graduate=gray!20!black, tassel=red!70!black] \end{tikzpicture} Beret duck \begin{tikzpicture} \duck[beret=red!70!black] \end{tikzpicture}





Peaked cap duck

Crown duck

#### \begin{tikzpicture} \duck[peakedcap=blue!50!black] \end{tikzpicture}



#### \begin{tikzpicture} \duck[body=black!75!white, crown=yellow!70!brown] \end{tikzpicture}



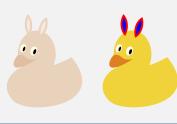




Bunny duck <sup>2</sup>	
\begin{tikzpicture}	
\duck[body=white!65!brown,	bill=
white!50!brown, bunny]	
\end{tikzpicture}	
\begin{tikzpicture}	

\duck[bunny=red,inear=blue]

\end{tikzpicture}



 $<sup>^{2}</sup>$  Unless an explicit colour is specified, the bunny ears will take the body colour as default colour, the inner parts will be drawn in a lighter shade.



#### Witch duck



#### Magic duck



#### Glasses duck

\begin{tikzpicture}
 \duck[glasses=red!50!black]
\end{tikzpicture}



#### Sunglasses duck

\begin{tikzpicture}
 \duck[sunglasses=blue]
\end{tikzpicture}



#### Superhero duck

\begin{tikzpicture}
 \duck[mask=teal,cape=teal]
\end{tikzpicture}



#### Signpost duck

\begin{tikzpicture}
 \duck[signpost=42]
\end{tikzpicture}
\begin{tikzpicture}
\duck[signpost=\scalebox{0.4}{
 \parbox{2cm}{\color{black}
 \centering Science\\ first}},
 signcolour=brown!70!gray,
 signback=white!80!brown]
\end{tikzpicture}







## Speaking duck<sup>3</sup> Bla \begin{tikzpicture} \duck[speech={Bla},bubblecolour= cyan!20!white] \end{tikzpicture} Thinking duck<sup>3</sup> Blub \begin{tikzpicture} \duck[think={Blub},bubblecolour= white!95!yellow] \end{tikzpicture} **Book duck** \begin{tikzpicture} \duck[book=\scalebox{0.5}{\TeX}] \end{tikzpicture} \begin{tikzpicture} \duck[book=\scalebox{0.6}{\$\pi\$}, bookcolour=blue!50!black] \end{tikzpicture} **Cricket duck** \begin{tikzpicture} \duck[cricket=red!50!black] \end{tikzpicture}

#### Hockey duck

\begin{tikzpicture}
 \duck[hockey=brown!70!black]
\end{tikzpicture}



#### Football duck<sup>4</sup>

\begin{tikzpicture}
 \duck[football=white!85!yellow]
\end{tikzpicture}



<sup>&</sup>lt;sup>4</sup> The football duck is simplified version from an answer by Carla Maggi, https://tex.stackexchange.com/a/387126/36296



 $<sup>^{3}</sup>$  Both the speech and thought bubble are inspired by the wonderful ducksay package

## Lightsaber duck \begin{tikzpicture} \duck[lightsaber=red] \end{tikzpicture} Torch duck \begin{tikzpicture} \duck[torch=black!30!gray] \end{tikzpicture} Prison duck \begin{tikzpicture} \duck[prison=gray] \end{tikzpicture} Necklace duck \begin{tikzpicture} \duck[necklace=gray!20!white] \end{tikzpicture} **Icecream duck** \begin{tikzpicture} \duck[icecream] \end{tikzpicture} \begin{tikzpicture} \duck[icecream=brown, flavoura=green!50!brown, flavourb=white, flavourc=red] \end{tikzpicture} Chef duck<sup>5</sup> \begin{tikzpicture} \duck[chef=white!95!yellow, rollingpin=brown!80!black] \end{tikzpicture}

<sup>&</sup>lt;sup>5</sup> The chef duck is based on an idea by Carla Maggi, please see the following link for a more sophisticated version of the toque and the rolling pin: https://tex.stackexchange.com/a/387126/36296



## Cake duck \begin{tikzpicture} \duck[cake=red!50!violet!80!black] \end{tikzpicture} Pizza duck \begin{tikzpicture} \duck[pizza] \end{tikzpicture} **Baguette duck** \begin{tikzpicture} \duck[baguette=brown] \end{tikzpicture} Milkshake duck \begin{tikzpicture} \duck[milkshake=red!20!white] \end{tikzpicture} Wine duck<sup>6</sup> \begin{tikzpicture} \duck[wine=red!70!black] \end{tikzpicture}

<sup>&</sup>lt;sup>6</sup> According to the resident Italian wine expert of the TeX.SE chatroom, the duck is drinking a fine Brunello di Montalcino



#### 3 Random ducks

With all these available accessories it might be hard to decide which one to choose, but don't worry the TikZducks provide a solution for this dilemma, the random duck, or short \randuck, which automatically creates a duck with a randomly chosen accessories and something on top of the head (hair, a hat, ears, alien antenna ...)

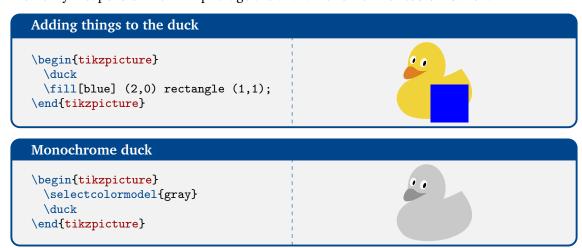


In case the duck should not be completely random, but only some of the random elements are desired, these can be accessed independently by using \randomhead and \randomaccessories for a random headpiece and a random accessories, respectively. Small caveat: Before using \randomhead or \randomaccessories, \shuffleducks has to be used to provide the random items (for \randock this is done automatically).



#### 4 Further customisation

This package will never be able to do everything every potential user might want to do, as this number quickly approaches  $\infty$  – but as the ducks are simply things inside tikzpictures, all the heavy weapons of the TikZ package are available for further customisation.





For convenience the more complex paths of this package are stored in macros, which can easily be reused:

In detail, the following paths are available:

```
\duckpathbody, \duckpathgrumpybill, \duckpathbill, \duckpathtshirt, \duckpathjacket, \duckpathcape, \duckpathshorthair, \duckpathlonghair, \duckpathcrazyhair, \duckpathrecedinghair, \duckpathcrown
```

In case one of the other shapes is needed, please have a look at the package source code, which can be found in tikzducks.sty.

To ease the placement of further accessories, some particular spots of the duck are marked with TikZ coordinates, namely the wing, head and bill.

An example making use this option are the "Live long and prosper" ducks.

To distinguish coordinates from multiple ducks in the same tikzpicture, one can name the ducks using the option name. If this option is used, the coordinates are prefixed with the respective name and a dash: <name>-<coordinate>.

```
Named coordinates

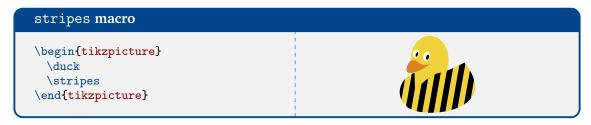
\begin{tikzpicture}
    \duck[name=foo]
    \begin{scope}[xshift=90pt,
        scale=.3, yshift=150pt]
    \duck[name=bar]
    \end{scope}
    \draw (foo-wing) -- (bar-wing);
    \end{tikzpicture}
```



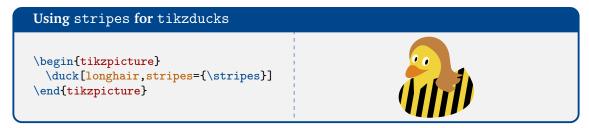
#### 5 Football ducks – contributed by Carla Maggi

TikZducks are huge sports fans! They do a lot of different sports themselves (see all the piece of sports equipment amongst the accessories), but to cheer their favourite teams, they need suitable fan clothing. In The Duck Pond Carla Maggi was so kind to contribute the necessary code to dress the ducks in their team's colours.

A (non-representative) survey<sup>7</sup> showed that most sports jerseys can be emulated by drawing stripes of various colours, sizes and orientations – and this is exactly what the stripes macro does, drawing stripes across the shape of the duck's jacket. In order to preserve the whole flexibility of this powerful macro, it was integrated as an independent command into the TikZducks package, this means it can simply be used on top of a drawn duck:



This may be impractical as the stripes are drawn on top of any accessories or hair the duck may have. Therefore the option stripes let's you inject any code you would normally use to draw the stripes at the correct layer above the duck's clothing but beneath the hair and accessories:



Not all teams wear vertically stripped jerseys, therefore many parameters can be adjusted to best emulate your favourite teams jerseys. The available options are:

```
color colour of the stripes, default: black
distance periodicity length of the stripes, default: 0.3
width stripe width, default: 0.15
height length of the stripes, default: 2.7
initialx x coordinate of staring point, default: 0.1
initialy y coordinate of staring point, default: -0.3
rotate rotation angle in degree, default: -10
emblem possibility to add logos etc., default: empty
```

Please note that the colour of the stripes only affects the stripes themselves, to influence the colour of the empty space between the stripes, clothe the duck with a tshirt or jacket of the desired colour underneath the stripes.

<sup>&</sup>lt;sup>7</sup> see the selection of jerseys in https://tex.stackexchange.com/a/387126/36296



```
stripes options
\begin{tikzpicture}
 \duck[stripes]
\end{tikzpicture}
\begin{tikzpicture}
 \duck[stripes={
       \stripes[color=blue]}]
\end{tikzpicture}
\begin{tikzpicture}
\duck[stripes={
     \stripes[distance=0.6]}]
\end{tikzpicture}
\begin{tikzpicture}
\duck[stripes={
     \stripes[width=0.03]}]
\end{tikzpicture}
\begin{tikzpicture}
\duck[stripes={\stripes[emblem={
    \includegraphics[width=0.3cm]{
    example-image-a}}]}]
\end{tikzpicture}
\begin{tikzpicture}
\duck[stripes={
     \stripes[height=1.0]}]
\end{tikzpicture}
\begin{tikzpicture}
\duck[stripes={
     \stripes[initialx=1]}]
\end{tikzpicture}
\begin{tikzpicture}
\duck[stripes={
     \stripes[initialy=0.8]}]
\end{tikzpicture}
\begin{tikzpicture}
\duck[stripes={
     \stripes[rotate=45]}]
\end{tikzpicture}
\begin{tikzpicture}
\duck[stripes={
     \stripes[rotate=-45]}]
\end{tikzpicture}
```

For more complex or multicoloured designs the stripes can easily be stacked on top of each other:

```
multicoloured stripes

\begin{tikzpicture}
\duck[tshirt=red, stripes={
\stripes[color=yellow, width=0.1]
\stripes[color=orange, width=0.1,
    initialx=0.0]}]
\end{tikzpicture}
```



A few examples to see stripes in action:

#### **Inter duck**



#### Juve duck



#### Milan duck



#### Mönchengladbach duck

\definecolor{mggreen}{RGB}{37,166,89}%
\begin{tikzpicture}
\duck[tshirt=mggreen,stripes={\stripes},football]
\end{tikzpicture}



#### Palmeiras duck

\definecolor{verdep}{RGB}{0,100,55}%
\begin{tikzpicture}
\duck[tshirt=green, jacket=verdep, football]
\end{tikzpicture}



#### Cagliari duck





# Sampdoria duck \begin{tikzpicture} \duck[tshirt=blue, jacket=blue,stripes={ \stripes[color=white,rotate=-90,width=0.6,distance=1] \stripes[color=red,rotate=-90,width=0.2,distance=1.2] \stripes[color=black,rotate=-90,width=0.1,distance=1.3] },football] \end{tikzpicture}

In case your favourite team is missing from the above examples, feel free to create an example and share it with the community in The Duck Pond.

#### 6 Showcase

In the following a few examples of possible duck customisations, some of which will require additional packages (which are stated as a comment at the start of the code). For more examples (or to show your own creations) please visit The Duck Pond.

## samcarter duck \begin{tikzpicture} \duck[body=yellow!50!brown!50!white, longhair=red!50!brown, jacket=blue!50!black] \end{tikzpicture}

#### Paulo duck

\begin{tikzpicture}
 \duck[cap,cricket]
\end{tikzpicture}



#### Party duck



#### **Brazil duck**



#### Duck in black

\begin{tikzpicture}
 \duck[grumpy, body=yellow!50!brown!50!white, tshirt=
 white, jacket=black, tie=black, hat=black,
 sunglasses=black]
\end{tikzpicture}





#### Prof. van Duck

```
\begin{tikzpicture}
  \duck[body=yellow!50!brown!40!white,
    crazyhair=gray!50!white,
    eyebrow,
    glasses=brown!70!black,
    book=\scalebox{0.2}{$E=mc^2$},
    bookcolour=red!20!brown]
\end{tikzpicture}
```



#### Knuth duck

```
\begin{tikzpicture}
  \duck[body=yellow!50!red!20!white,
    recedinghair=gray!50!white,
    eyebrow,
    tshirt=white!93!black,
    jacket=red!50!black,
    glasses=brown!70!lightgray,
    book=\scalebox{0.5}{\TeX},
    bookcolour=black!20!brown]
\end{tikzpicture}
```



#### May the Quack be with you

```
\begin{tikzpicture}
 \colorlet{skin}{white!45!gray!80!green}
 \duck[lightsaber, body=skin, bill=gray!80!green,
       tshirt=brown!50!black, jacket=brown!30!gray]
 \fill[skin,rounded corners=3] (0.44,1.70) -- (0.25,2)
      -- (0.6,1.95);
 \fill[skin,rounded corners=3] (1.34,1.60) --
      (1.53,1.9) -- (1.16,1.85);
\end{tikzpicture}
\begin{tikzpicture}
 \duck[grumpy,lightsaber=red,cape=black!70!white,
       body=black!85!white]
\end{tikzpicture}
\begin{tikzpicture}
 \fill[brown!70!black] (0.5,1.65) circle (0.25);
 \duck[jacket=white!95!brown, body=brown!50!white,
       shorthair=brown!70!black, lightsaber=cyan]
 \fill[brown!70!black] (1.3,1.6) circle (0.25);
\end{tikzpicture}
```







#### **Ghost duck**

```
\colorlet{ghost}{white!98!gray}%
\begin{tikzpicture}
\duck[body=ghost,bill=ghost,prison=gray]
\fill[ghost,rotate=-17](-0.1,0.7) rectangle (0.15,1.3);
\fill[ghost,rotate=17] (1.6,0.7) rectangle (1.81,1.3);
\end{tikzpicture}
```





#### 67P/Churyumov-Gerasimenko duck<sup>8</sup>

```
\begin{tikzpicture}[path image/.style={path picture={
    \foreach \j in \{0,...,2\}{\node at (0,\j) {\foreach
    \i in {1,...,5}{\includegraphics[height=1cm
   ]{#1}}};}}]
\path (0.1,0.1) rectangle (2.1,2.12);
\begin{pgfinterruptboundingbox}
\path[path image=crinklepaper]
  (0.90,1.50) ellipse (0.50 and 0.625);
\path[path image=crinklepaper] \duckpathbody;
\fill[gray!80!white] \duckpathbill;
\fill[white!70!gray, rotate=-20]
  (0.23,1.7675) ellipse (0.0893 and 0.125)
  (-0.06,1.74) ellipse (0.0786 and 0.1143);
\fill[black, rotate=-20]
  (0.26, 1.7575) ellipse (0.0357 \text{ and } 0.0714)
  (-0.03, 1.73) ellipse (0.0286 \text{ and } 0.0643);
\end{pgfinterruptboundingbox}
\end{tikzpicture}
```



#### With my username I had to...

```
%\usepackage{marvosym}
\label{localized-local-condition} $$ \ensuremath{\mathtt{RGB}}_{222,197,159}\%$ $$
\definecolor{sgblond}{RGB}{238,203,96}%
\colorlet{sggreen}{olive!50!black}
\colorlet{sgbill}{sgskin!85!black}
\colorlet{sgshirt}{sggreen!50!black}
\begin{tikzpicture}
  \duck[body=sgskin,bill=sgbill,tshirt=sgshirt,jacket=
      sggreen, cap=sggreen]
\end{tikzpicture}
\begin{tikzpicture}
  \duck[body=sgskin,bill=sgbill,tshirt=sgshirt,jacket=
      sggreen, shorthair = sgblond]
\end{tikzpicture}
\begin{tikzpicture}
  \duck[body=sgskin,bill=sgbill,tshirt=sgshirt,jacket=
      sggreen, shorthair=brown!70!black, glasses=brown
      !30!gray, book={\AA}, bookcolour=brown!50!black]
\end{tikzpicture}
\begin{tikzpicture}
  \duck[body=brown!80!black,bill=brown!65!black,tshirt=
      sgshirt,jacket=sggreen,grumpy]
  \fill[sgblond, rotate=-10] (0.45,2.0) ellipse (0.12
      and 0.05);
  \node[rotate=170] at (0.8,1.89) {\scalebox{0.35}{\Leo}
      }};
\end{tikzpicture}
```









<sup>8</sup> If you try this at home, replace the crinklepaper with an image of the comet's surface, e.g. https://arxiv.org/abs/1707.02945



#### Live long and prosper %\usepackage{fontawesome} \definecolor{unigold}{RGB}{203,157,52}% \definecolor{uniblue}{RGB}{46,114,167}% \definecolor{unired}{RGB}{177,49,34}% \definecolor{skink}{RGB}{245,206,193}% \definecolor{skins}{RGB}{255,222,151}% \definecolor{skinu}{RGB}{146,113,96}% \newcommand\*{\insignia}{\node[rotate=15] at (wing) { \color{yellow!80!brown}\faLocationArrow};} \begin{tikzpicture} \duck[tshirt=black!60!gray, jacket=unigold, body=skink, shorthair=brown!80!black, bill=skink!60!gray] \insignia \end{tikzpicture} \begin{tikzpicture} \duck[tshirt=black!60!gray, jacket=uniblue, body=skins, shorthair=black!60!brown, bill=skins!60!gray] \fill[skins,rotate=175, xshift=-46, yshift=-76] (0.45,1.20) -- (0.50,0.80) -- (0.65,1.20); \insignia \end{tikzpicture} \begin{tikzpicture} \duck[tshirt=black!60!gray, jacket=unired, body=skinu, longhair=black!60!brown, bill=skinu!70!black] \insignia







#### French duck

\end{tikzpicture}

\begin{tikzpicture}
\duck[body=yellow!60!red!30!white,tshirt=white!90!
 yellow,stripes={\stripes[color=blue!70!black,rotate
 =-87,width=0.07,distance=0.12]},beret=blue!30!black
 ,baguette=brown]
\end{tikzpicture}



#### Bee duck





#### Jailbird duck

```
\begin{tikzpicture}
\duck[peakedcap=gray!40!black,tshirt=white,stripes={
\stripes[rotate=100,color=gray!40!black]},prison=gray]
\end{tikzpicture}
```



#### **Super duck brothers**

```
\newcommand{\superstripes}{\stripes[color=blue!80!black
    ,width=3,height=1.0,rotate=5] \stripes[color=blue
    !80!black,width=0.1,rotate=0,distance=0.7,initialx
    =-1.1,height=2]}
\begin{tikzpicture}
\duck[tshirt=red!80!black,peakedcap=red!80!black,
    stripes={\superstripes}]
\fill[white] (0.8,2) circle (0.13);
\node[red!80!black,rotate=-25] at (0.8,2) {\scalebox
    {0.6}{\textsf{M}}};
\end{tikzpicture}
\begin{tikzpicture}
\duck[tshirt=green!70!black,peakedcap=green!70!black,
    stripes={\superstripes}]
\fill[white] (0.8,2) circle (0.13);
\node[green!70!black,rotate=-25] at (0.8,2) {\scalebox
    {0.6}{\textsf{L}}};
\end{tikzpicture}
```



#### **Princess duck**

```
\definecolor{pskin}{RGB}{255,200,184}%
\definecolor{phair}{RGB}{249,249,139}%
\begin{tikzpicture}
\duck[body=pskin!80!white,longhair=phair,tshirt=magenta
    !60!white,jacket=magenta!40!white,necklace=white
    !85!yellow]
\path (0.7,2) rectangle (1.4,2.55);
\begin{pgfinterruptboundingbox}
\fill[yellow!80!orange,rotate=-10,xshift=-11,yshift
    =5] \duckpathcrown;
\end{pgfinterruptboundingbox}
\end{tikzpicture}
```



#### **ZZZoro duck**

```
\begin{tikzpicture}
\duck[cape=black,hat=black,mask=black]
\node[rotate=-5] at (0.4,0.7) {\tiny\fontfamily{pzc}
    \selectfont \textbackslash ZZZ};
\fill[black,rotate=24] (0.1,0.21) rectangle (1.1,0.23)
    (1.2,0.22) ellipse (0.15 and 0.03) (1.08,0.22)
    ellipse (0.03 and 0.15);
\end{tikzpicture}
```





```
Farm animals
\definecolor{fskin}{RGB}{161,140,126}%
\definecolor{fbill}{RGB}{238,212,191}%
\definecolor{fhair}{RGB}{89,72,72}%
\begin{tikzpicture}
\duck[body=fskin,bill=fbill,shorthair=fhair,bunny,inear
    =fbill]
\node[fskin,rotate=45,scale=3] at (1.7,1.55) {\textsf{s}
\fill[fhair,rotate=45] (2.4,0.13) ellipse (0.15 and
   0.07);
\end{tikzpicture}
\begin{tikzpicture}
\duck[body=white!80!brown, bill=white!60!brown, bunny,
    longhair=white!60!brown]
\fill[white!60!brown] (1.85,1.42) circle (0.2);
\end{tikzpicture}
\begin{tikzpicture}
\duck[body=red!20!white,bill=red!30!white,shorthair=red
    !30!white, bunny=red!30!white, inear=red!30!white]
\node[red!20!white,rotate=25,scale=3] at (1.7,1.51) {
    \textsf{s}};
\end{tikzpicture}
```

```
Duck Queen
%\usepackage[LSBC5,T1]{fontenc}
%\usepackage{chessfss}
\definecolor{qskin}{RGB}{225,219,206}%
\definecolor{qbill}{RGB}{170,123,154}%
\definecolor{qdress}{RGB}{184,209,206}%
\definecolor{qcrown}{RGB}{90,76,183}%
\setboardfontencoding{LSBC5}
\setboardfontcolors{whiteonwhitepiecemask=qcrown,
    whitepiece=gray!60!white}
\begin{tikzpicture}
\duck[body=qskin,bill=qbill,jacket=qdress,tshirt=teal
    !30!qdress, shorthair=gray!60!white, necklace=gray
    !10!white]
\node[rotate=-10] at (1.03,2.42) {\scalebox{1.9}{
    \WhiteKingOnWhite}};
\fill[gray!60!white,rotate=-10] (0.6,2.18) ellipse
    (0.38 \text{ and } 0.1);
\fill[gray!60!white,rotate=-30] (0.27,1.23) rectangle
    (0.37, 0.65);
\node[rotate=-30] at (0.94,0.98) {\scalebox{0.4}}{}
    \WhiteQueenOnWhite}};
\end{tikzpicture}
```



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