

# Color extensions with the **xcolor** package — **pstricks** examples

Dr. Uwe Kern\*

v2.00 (2004/07/04)

This document is not suitable for pdfL<sup>A</sup>T<sub>E</sub>X! Please use L<sup>A</sup>T<sub>E</sub>X + dvips etc.

Figure 1: Color extensions — pstricks example<sup>1</sup>

```
\begin{pspicture}(.5)(0,-2)(3,2)
\cnode(0,0){.5cm}{root}
\cnode*[linecolor=red](3,1.5){4pt}{A}
\cnode*[linecolor=red!72.5375!blue](3,0){4pt}{B}
\cnode*[linecolor=-red](3,-1.5){4pt}{C}
\psset{nodesep=3pt}
\ncline[linecolor=green!50!red]{root}{A}
\ncline[linecolor=blue]{root}{B}
\ncline[linecolor=-green!50!red]{root}{C}
\end{pspicture}
```

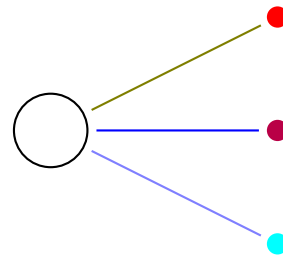


Figure 2: Color extensions — pstricks example<sup>2</sup>

```
\begin{pspicture}(4,1)
\psframe[fillstyle=slope,
        slopeangle=30,
        slopebegin=red!72.5375!blue,
        slopeend=-red!72.5375!blue](4,1)
\end{pspicture}
```




---

\*This file is part of the xcolor distribution which can be downloaded from the CTAN mirrors (macros/latex/contrib/xcolor/) or the homepage [www.ukern.de/tex/xcolor.html](http://www.ukern.de/tex/xcolor.html). Please send error reports and suggestions for improvements to [xcolor@ukern.de](mailto:xcolor@ukern.de).

<sup>1</sup>This is a modified version of an example from the pstricks manual; requires pst-tree.

<sup>2</sup>Requires pst-slope.

<sup>3</sup>This is a modified version of an example from the pst-fill manual.

Figure 3: Color series — pstricks example<sup>3</sup>



```

\newcommand*\SheepHead
{\begin{pspicture}(3,1.5)
  \pscustom[liftpen=2,fillstyle=solid,fillcolor=sheep!!+]{%
    \pscurve(0.5,-0.2)(0.6,0.5)(0.2,1.3)(0,1.5)(0,1.5)
      (0.4,1.3)(0.8,1.5)(2.2,1.9)(3,1.5)(3,1.5)(3.2,1.3)
      (3.6,0.5)(3.4,-0.3)(3,0)(2.2,0.4)(0.5,-0.2)}
  \pscircle*(2.65,1.25){0.12\psunit}% Eye
  \psccurve*(3.5,0.3)(3.35,0.45)(3.5,0.6)(3.6,0.4)% Muzzle
  % Mouth
  \pscurve(3,0.35)(3.3,0.1)(3.6,0.05)
  % Ear
  \pscurve(2.3,1.3)(2.1,1.5)(2.15,1.7)
  \pscurve(2.1,1.7)(2.35,1.6)(2.45,1.4)
\end{pspicture}}
\newcommand*\Sheep
{\SheepHead\SheepHead\SheepHead\SheepHead\SheepHead}
\definecolorseries{sheep}{rgb}{step}{rgb}{.95,.85,.55}{.17,.47,.37}
\resetcolorseries{sheep}
\psset{unit=0.5}
\begin{pspicture}(-8,-1.5)(8.5,7.5)
  \rput(0,6){\Sheep}
  \rput(0,4.5){\Sheep}
  \rput(0,3){\Sheep}
  \rput(0,1.5){\Sheep}
  \rput(0,0){\Sheep}
\end{pspicture}

```