The pagecolor package

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2015/08/30 v1.0h

Abstract

This LaTeX package provides the command `\thepagecolor`, which gives the current page (background) colour, i. e. the argument used with the most recent call of `\pagecolor{...}`. The command `\thepagecolornone` gives the same colour as `\thepagecolor`, except when the page background colour is "`none`". In that case `\thepagecolor` is `white` and `\thepagecolornone` is `none`.
When `\nopagecolor` is unknown (e. g. XeLaTeX) or broken (`crop` package) this package provides a replacement. Similar to `\newgeometry` and `\restoregeometry` of the `geometry` package
`\newpagecolor{<`*some colour*`>}` and `\restorepagecolor` are provided.

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Save per page about 200 ml water, 2 g CO_2 and 2 g wood:
Therefore please print only if this is really necessary.

Contents

1 Introduction **2**

2 Usage **3**
2.1 Options . . . 3
2.1.1 pagecolor . . . 3
2.1.2 nopagecolor . . . 3

3 Alternatives **4**

4 Example **5**

5 The implementation **8**

6 Installation **14**
6.1 Downloads . . . 14
6.2 Package, unpacking TDS . . . 15
6.3 Refresh file name databases . . . 16
6.4 Some details for the interested . . . 16
6.5 Compiling the example . . . 16

7 Acknowledgements **17**

8 History **17**
[2011/07/16 v1.0a] . . . 17
[2011/08/06 v1.0b] . . . 17
[2011/08/08 v1.0c] . . . 17
[2012/02/01 v1.0d] . . . 17
[2012/02/23 v1.0e] . . . 17
[2015/06/21 v1.0f] . . . 17
[2015/06/22 v1.0g] . . . 18
[2015/08/30 v1.0h] . . . 18

9 Index **19**

1 Introduction

This LaTeX package provides the command `\thepagecolor`, which gives the current page (background) colour, i. e. the argument used with the most recent call of `\pagecolor{...}`. The package should be loaded before any package sets a page (background) colour, but after xcolor or color package. Its option `pagecolor={...}` is used to set the initial `\pagecolor{...}`.
The command `\thepagecolornone` gives the same colour as `\thepagecolor`, except when the page background colour is "`none`"(e. g. result of using the `\nopagecolor` command). In that case `\thepagecolor` is `white` and `\thepagecolornone` is `none`. When `\nopagecolor` is unknown (e.g. XeLaTeX) or broken (crop package) this package provides a replacement depending on option `nopagecolor`. Similar to `\newgeometry` and `\restoregeometry` of the geometry package `\newpagecolor{<`*some colour*`>}` and `\restorepagecolor` are provided.

2 Usage

Just load the package placing

```
\usepackage[<options>]{pagecolor}
```

in the preamble of your LaTeX 2ε source file. This should be done before another package uses `\pagecolor`. Afterwards `\pagecolor{...}` can be used to change the page (background) colour as usual. Then `\thepagecolor` gives the current page (background) colour (in the same format as given with `\pagecolor{...}`). Similar to `\newgeometry` and `\restoregeometry` of the geometry package `\newpagecolor{<some colour >}` and `\restorepagecolor` are provided: `\newpagecolor{<some colour >}` will execute `\pagecolor{<some colour >}` and remember the page colour used before. `\restorecolor` (without argument) restores the page colour to the one used before use of the `\newpagecolor{...}` command. When you want to change the colour for just one page and do not want to (or cannot) manually determine where the page ends,
`\newpagecolor{<some colour>}\afterpage{\restorepagecolor}`
does the trick (and requires a `\usepackage{afterpage}` in the document's preamble), or for short

```
\newcommand{\onepagecolor}[1]{%
  \newpagecolor{#1}\afterpage{\restorepagecolor}}
```

in the preamble and
`\onepagecolor{<some colour>}` in the document.

2.1 Options

`options` The pagecolor package takes the following options:

2.1.1 pagecolor

`pagecolor` The option `pagecolor={...}` takes as value a colour. This could be as simple as `black` or `white`, but when e. g. the xcolor package is used (loaded before pagecolor!), also colours like `red!50!green!20!blue` are possible. The default is `pagecolor={none}`. A `\pagecolor{...}` command with the given colour is used to initialise the pagecolour.

2.1.2 nopagecolor

`nopagecolor` The option `nopagecolor={...}` takes as value a colour. This could be as simple as `white` or `black`, but when e. g. the xcolor package is used (loaded before pagecolor!), also colours like `red!50!green!20!blue` are possible. The default is `pagecolor={none}`. When `\nopagecolor` is unknown (e. g. XeLaTeX) or broken (crop package) `\nopagecolor` is replaced by a `\pagecolor` command using the colour defined with the `nopagecolor` option. If `\nopagecolor` is not available and `nopagecolor` is `none`, instead of `none` `white` is used.

3 Alternatives

As I neither know what exactly you want to accomplish when using this package (e. g. hiding text), nor what resources you have (e. g. pdfTEX version), here is a list of possible alternatives:

- transparent package: With it some object can be made (fully or partially) transparent, https://www.ctan.org/pkg/transparent.
- hrefhide package: It allows to "hide" some (hyperlinked) text when printing the document while keeping the layout, https://www.ctan.org/pkg/hrefhide.

You programmed or found another alternative, which is available at https://www.CTAN.org/? OK, send an e-mail to me with the name, location at CTAN, and a short notice, and I will probably include it in the list above.

4 Example

```
⟨*example⟩
\documentclass[british]{article}[2014/09/29]% v1.4h
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
\usepackage[%
 extension=pdf,%
 plainpages=false,%
 pdfpagelabels=true,%
 hyperindex=false,%
 pdflang={en},%
 pdftitle={pagecolor package example},%
 pdfauthor={H.-Martin Muench},%
 pdfsubject={Example for the pagecolor package},%
 pdfkeywords={LaTeX, pagecolor, thepagecolor, page colour,%
  H.-Martin Muench},%
 pdfview=Fit,pdfstartview=Fit,%
 pdfpagelayout=SinglePage%
]{hyperref}[2012/11/06]% v6.83m
\usepackage[x11names]{xcolor}[2007/01/21]% v2.11
 % The xcolor package would not be needed for just using
 % the base colours. The color package would be sufficient for that.
\usepackage[pagecolor={LightGoldenrod1},%
  nopagecolor={none}]{pagecolor}[2015/08/30]% v1.0h

\usepackage{afterpage}[2014/10/28]% v1.08
 % The afterpage package is generally not needed,
 % but the |\newpagecolor{somecolour}\afterpage{\restorepagecolor}|
 % construct shall be demonstrated.

\usepackage{lipsum}[2014/07/27]% v1.3
 % The lipsum package is generally not needed,
 % but some blind text is needed for the example.

\usepackage{hologo}[2012/04/26]% v1.10
 % The hologo package is only needed to write
 % \hologo{pdfTeX}, \hologo{LuaTeX}, and \hologo{XeTeX}.

\gdef\unit#1{\mathord{\thinspace\mathrm{#1}}}%
\listfiles
\begin{document}
\pagenumbering{arabic}
\section*{Example for pagecolor}

This example demonstrates the use of package\newline
\textsf{pagecolor}, v1.0h as of 2015/08/30 (HMM).\newline
The used options were\newline
\verb|pagecolor={LightGoldenrod1}| (\verb|pagecolor={none}|
would be the default), and
\verb|pagecolor={none}| (which is the default).\newline

\noindent For more details please see the documentation!\newline

\noindent {\color{teal} Save per page about $200\unit{ml}$ water,
$2\unit{g}$ CO$_{2}$ and $2\unit{g}$ wood:\newline
Therefore please print only if this is really necessary.}\newline

```

```
\noindent The current page (background) colour is\newline
\verb|\thepagecolor|\ =\ \thepagecolor \newline
(and \verb|\thepagecolornone|\ =\ \thepagecolornone ,
which would only be different from \verb|\thepagecolor|,
when the page colour would be \verb|none|).

\pagebreak
\pagecolor{rgb:-green!40!yellow,3;green!40!yellow,2;red,1}

{\color{white} The current page (background) colour is\newline
\verb|\thepagecolor|\ =\ \thepagecolor . \newline}

{\color{\thepagecolor} And that makes this text practically invisible.
\newline}

{\color{white} Which made the preceding line of text practically
invisible.}

\pagebreak
\newpagecolor{red}

This page uses \verb|\newpagecolor{red}|.

\pagebreak
\restorepagecolor

{\color{white}And this page uses \verb|\restorepagecolor| to restore
the page colour to the value it had before the red page.}

\pagebreak
\pagecolor{none}

This page uses \verb|\pagecolor{none}|. If the \verb|\nopagecolor|
command is known (\hologo{pdfTeX} and \hologo{LuaTeX}; not yet for
dvips, dvipdfm(x) or \hologo{XeTeX}), the page colour is now
\verb|none| (because option \verb|nopagecolor={none}|), otherwise
\verb|white| (or the colour given with option \verb|nopagecolor={...}|):
\verb|\thepagecolor|\ =\ \thepagecolor\ and
\verb|\thepagecolornone|\ =\ \thepagecolornone .

\pagebreak
\restorepagecolor

{\color{white}\verb|\restorepagecolor| restored the page colour again.}

\pagebreak
\pagecolor{green}

This page is green due to \verb|\pagecolor{green}|.

\pagebreak
\newpagecolor{blue}\afterpage{\restorepagecolor}

{\color{white}\verb|\newpagecolor{blue}\afterpage{\restorepagecolor}|%
\newline
was used here, i.\,e.~this page is blue, and the next one will
automatically have the same page colour before it was changed to blue
here (i.\,e. green).}
```

```
\smallskip
{\color{red}\textbf{\lipsum[1-11]}}
\bigskip

The page colour was changed back at the end of the page -
in mid-sentence!

\end{document}
```
⟨/example⟩

5 The implementation

We start off by checking that we are loading into LaTeX 2_ε and announcing the name and version of this package.

```
⟨*package⟩
\NeedsTeXFormat{LaTeX2e}[2014/05/01]
\ProvidesPackage{pagecolor}[2015/06/20 v1.0h
            Provides thepagecolor (HMM)]
```

A short description of the pagecolor package:

```
%% Provides the \thepagecolor, \thepagecolornone, \newpagecolor{...},
%% and \restorepagecolor commands and the a replacement for the
%% \nopagecolor command, if it is not available.
```

We need the kvoptions package by Heiko Oberdiek:

```
\RequirePackage{kvoptions}[2011/06/30]% v3.11
```

and either the color or the xcolor package:

```
%% \RequirePackage{ either color or xcolor }:
\@ifpackageloaded{xcolor}{% xcolor loaded
   \@ifpackagelater{xcolor}{2007/01/21}{%
      % 2007/01/21, v2.11, or even more recent: OK
    }{% else: older package version
      \PackageWarning{pagecolor}{%
        It is requested version '2007/01/21' of package\MessageBreak%
        xcolor, but only an older version is available\MessageBreak%
       }%
     }%
 }{% xcolor not loaded
   \@ifpackageloaded{color}{%
      \RequirePackage{color}[2014/10/28]% v1.1a
    }{% \else
      \PackageWarning{pagecolor}{%
        The pagecolor package must be loaded after either\MessageBreak%
        package color or after package xcolor (at your\MessageBreak%
        option). Neither package was loaded before package\MessageBreak%
        pagecolor. Loading of package xcolor will now be\MessageBreak%
        tried automatically.\MessageBreak%
        When the pagecolor package is used with option\MessageBreak%
        pagecolor using a colour requiring e. g. x11names\MessageBreak%
        option for xcolor package, this will not work!\MessageBreak%
       }
     }% \fi
   \RequirePackage{xcolor}[2007/01/21]% v2.11
  }% \fi
```

as well as the ifpdf and the ifluatex package, because only pdfTeX and LuaTeX provide the `\nopagecolor` command:

```
\RequirePackage{ifpdf}[2011/01/30]%    v2.3
\RequirePackage{ifluatex}[2010/03/01]% v1.3
```

A last information for the user:

```
%% pagecolor may work with earlier versions of LaTeX and the
%% packages, but this was not tested. Please consider updating
%% your LaTeX and packages to the most recent version
%% (if they are not already the most recent version).
```

See subsection 6.1 about how to get them.

We process the options:

```
\SetupKeyvalOptions{family=pagecolor,prefix=pagecolor@}
\DeclareStringOption[none]{pagecolor}%   \pagecolor@pagecolor
\DeclareStringOption[none]{nopagecolor}% \pagecolor@nopagecolor
\ProcessKeyvalOptions*

```

\nopagecolor

```
%% \nopagecolor is only available for pdf(La)TeX and Lua(La)TeX
%% but not for dvips, dvipdfm(x), Xe(La)TeX,...
```

therefore `pagecolor` and/or `nopagecolor` can only be `none`, if either pdfTEX or LuaTEX is used; otherwise `white` is fine or another colour (other colours) requested by the user with the two options.

```
\def\pagecolourtmpa{0}
\ifluatex\def\pagecolourtmpa{1}\fi
\ifpdf\def\pagecolourtmpa{1}\fi
\def\pagecolourtmpb{1}
\ifx\pagecolourtmpa\pagecolourtmpb\relax%
\else%
  \PackageInfo{pagecolor}{\string\nopagecolor\space is undefined}%
  \def\pagecolourtmpb{none}%
  \edef\pagecolourtmpa{\pagecolor@nopagecolor}%
  \ifx\pagecolourtmpa\pagecolourtmpb%
    \PackageWarning{pagecolor}{%
      Option nopagecolor=none requested but \string\nopagecolor\space%
      unknown:\MessageBreak%
      By option nopagecolor the "colour" to be used with%
      \string\nopagecolor\MessageBreak%
      is set. The current value is "none" (maybe by default),\MessageBreak%
      but command \string\nopagecolor\space is undefined.\MessageBreak%
      Therefore the colour cannot be "none".\MessageBreak%
      Please change the option accordingly!\MessageBreak%
      As first aid nopagecolor is now set to white\MessageBreak%
     }%
    \setkeys{pagecolor}{nopagecolor=white}%
  \fi%
  \edef\pagecolourtmpa{\pagecolor@pagecolor}%
  \ifx\pagecolourtmpa\pagecolourtmpb%
    \PackageWarning{pagecolor}{%
      Option pagecolor=none (maybe by default) used,\MessageBreak%
      but \string\nopagecolor\space is unknown.\MessageBreak%
      Please use anotheroption value;\MessageBreak%
      \pagecolor@nopagecolor\space\MessageBreak%
      will be used now\MessageBreak%
     }%
    \setkeys{pagecolor}{pagecolor={\pagecolor@nopagecolor}}%
  \fi%
  \@ifundefined{nopagecolor}{%
     \newcommand{\nopagecolor}{\pagecolor{\pagecolor@nopagecolor}}%
   }{\renewcommand{\nopagecolor}{\pagecolor{\pagecolor@nopagecolor}}%
    }%
\fi%

```

\pagecolor We save the original \pagecolor command,

```
\let\origpagecolour\pagecolor
```

before we redefine it to include a definition of \thepagecolor and \thepagecolornone:

```
\renewcommand{\pagecolor}[1]{\@bsphack%
  \edef\pagecolourtmpa{#1}%
  \def\pagecolourtmpb{none}%
  \ifx\pagecolourtmpa\pagecolourtmpb\relax%
    \@ifundefined{nopagecolor}{%
      \PackageWarning{pagecolor}{%
        pagecolor=none requested but \string\nopagecolor\space%
        unknown:\MessageBreak%
        \string\pagecolor{none} was used, but the command\MessageBreak%
        \string\nopagecolor\space is undefined.\MessageBreak%
        Please use another colour.\MessageBreak%
        pagecolor=\pagecolor@nopagecolor \MessageBreak%
        will be used now\MessageBreak%
       }%
      \xdef\thepagecolor{\pagecolor@nopagecolor}%
      \xdef\thepagecolornone{\pagecolor@nopagecolor}%
                      % although it should be "none"
      \origpagecolour{\pagecolor@nopagecolor}%
    }{\nopagecolor%
    }%
  \else%
    \xdef\thepagecolor{#1}%
    \xdef\thepagecolornone{#1}%
    \origpagecolour{\thepagecolornone}%
  \fi%
  \@esphack%
}
```

\nopagecolor is only defined for pdfTEX and LuaTEX, but not for dvips, dvipdfm(x) or XETEX. (We defined a replacement, see page 9.) But additionally \nopagecolor does not work if the crop package is used. A workaround needs to be defined:

```
\let\orignopagecolour\nopagecolor\relax%

\gdef\pagecolor@cl{0}%
\@ifpackageloaded{crop}{% crop loaded
  \gdef\pagecolor@cl{1}%
  \@ifpackagelater{crop}{2003/05/21}{%
     % later than 2003/05/20 v1.9 might be OK
     \PackageWarning{pagecolor}{%
       \string\nopagecolor\space did not work with package\MessageBreak%
       crop 2003/05/20 v1.9. A newer version is used, \MessageBreak%
       which the pagecolor package does not know how to handle.\MessageBreak%
       Please contact the maintainer of the pagecolor package!\MessageBreak%
       }%
     % Let us just hope everything got fixed:
     \renewcommand{\nopagecolor}{%
       \xdef\thepagecolor{white}%
       \xdef\thepagecolornone{none}%
       \orignopagecolour%
```

```
      % That will not have any effect except when things got fixed!
      }%
   }{% else: older package version
     \PackageWarning{pagecolor}{%
       \string\nopagecolor\space does not work with\MessageBreak%
       the used crop package. Using\MessageBreak%
       \pagecolor@nopagecolor\MessageBreak%
       as nopagecolor now\MessageBreak%
       }%
     \def\pagecolourtmpb{none}%
     \edef\pagecolourtmpa{\pagecolor@nopagecolor}%
     \ifx\pagecolourtmpa\pagecolourtmpb%
       \PackageWarning{pagecolor}{%
         Option nopagecolor=none requested \MessageBreak%
         but this does not work with the crop package.\MessageBreak%
         By option nopagecolor the "colour" to be used with %
         \string\nopagecolor\MessageBreak%
         is set. The current value is "none" (maybe by default),%
         \MessageBreak%
         but the crop package broke \string\nopagecolor .\MessageBreak%
         Therefore the colour cannot be "none".\MessageBreak%
         Please change the option accordingly!\MessageBreak%
         As first aid nopagecolor is now set to white\MessageBreak%
        }%
       \setkeys{pagecolor}{nopagecolor=white}%
     \fi%
     \renewcommand{\nopagecolor}{\pagecolor{\pagecolor@nopagecolor}}%
    }%
}{% crop not loaded
  \def\pagecolourtmpa{0}%
  \ifluatex\def\pagecolourtmpa{1}\fi%
  \ifpdf\def\pagecolourtmpa{1}\fi%
  \def\pagecolourtmpb{1}%
  \ifx\pagecolourtmpa\pagecolourtmpb\relax%
    \gdef\pagecolourtmpa{none}%
  \else%
    \gdef\pagecolourtmpa{\pagecolor@nopagecolor}%
  \fi%
  \renewcommand{\nopagecolor}{%
    \xdef\thepagecolor{white}%
    \xdef\thepagecolornone{\pagecolourtmpa}%
    \orignopagecolour%
    }%
}


```

The (new) `\pagecolor` is now just carried out.

```
\pagecolor{\pagecolor@pagecolor}

```

Now the page (background) colour as well as `\thepagecolor` are `\pagecolor@pagecolor`. `\thepagecolornone` is `none`, if that colour is known, otherwise it is `\pagecolor@nopagecolor`, and if that was `none` (but that unknown), it is `white`. If `\pagecolor@pagecolor` was `none`, the page (background) colour is `none`, when known, otherwise `\pagecolor@nopagecolor`, and if that was `none` (but that unknown), it is `white`, and `\thepagecolor` is `\pagecolor@nopagecolor`, and if that was also `none` but `none` unknown, then

it is `white`. When the page (background) colour is changed, `\thepagecolor` and `\thepagecolornone` are changed accordingly.

`\newpagecolor` There have been requests (via e-mail and at https://tex.stackexchange.com/q/25137/6865) to change the colour of just one (or two) page(s) only, similar to `\newgeometry` and `\restoregeometry` of the geometry package (https://www.ctan.org/pkg/geometry).
Therefore `\newpagecolor` and `\restorepagecolor` are introduced (as suggested by HAOYUN_TEX):

```
\newcommand{\newpagecolor}[1]{%
\xdef\pagecolourtmpc{\thepagecolornone}%
\pagecolor{#1}%
}
```

`\newpagecolor{<`*some colour*`>}` will execute `\pagecolor{somecolour}` and remember the page colour used before.

`\restorepagecolor`

```
\newcommand{\restorepagecolor}{\pagecolor{\pagecolourtmpc}}
```

`\restorecolor` (without argument) restores the page colour to the one used before use of the `\newpagecolor{...}` command.

```
\gdef\pagecolourtmpc{\thepagecolor}
```

is just a precaution for `\restorecolor` being used when no `\newpagecolor{...}` was used before it.

When you want to change the colour for just one page and do not want to (or cannot) manually determine where the page ends,
`\newpagecolor{<`*some colour*`>}\afterpage{\restorepagecolor}`
does the trick (and requires an additional `\usepackage{afterpage}` in the document's preamble).

We checked whether the crop package had been loaded before the pagecolor package, but maybe it has been loaded afterwards. This is checked `\AtBeginDocument`:

```
\AtBeginDocument{%
  \def\pagecolourtmpb{0}%
  \ifx\pagecolor@cl\pagecolourtmpb\relax%
    % crop not loaded before pagecolor, but maybe afterwards:
    \@ifpackageloaded{crop}{% crop indeed loaded afterwards.
      \gdef\pagecolor@cl{1}%
      \@ifpackagelater{crop}{2003/05/21}{%
         % later than 2003/05/20 v1.9 might be OK
         \PackageWarning{pagecolor}{%
           \string\nopagecolor\space did not work with package\MessageBreak%
           crop 2003/05/20 v1.9. A newer version is used, \MessageBreak%
           which the pagecolor package does not know how to handle.\MessageBreak%
           Please contact the maintainer of the pagecolor package!\MessageBreak%
           }%
```

```
         % Let us just hope everything got fixed:
         \renewcommand{\nopagecolor}{%
           \xdef\thepagecolor{white}%
           \xdef\thepagecolornone{none}%
           \orignopagecolour%
           % That will not have any effect except when things got fixed!
           }%
        }{% else: older package version
          \PackageWarning{pagecolor}{%
            \string\nopagecolor\space does not work with\MessageBreak%
            the used crop package. Using\MessageBreak%
            \pagecolor@nopagecolor\MessageBreak%
            as nopagecolor now\MessageBreak%
            }%
          \def\pagecolourtmpb{none}%
          \edef\pagecolourtmpa{\pagecolor@nopagecolor}%
          \ifx\pagecolourtmpa\pagecolourtmpb%
            \PackageWarning{pagecolor}{%
              Option nopagecolor=none requested \MessageBreak%
              but this does not work with the crop package.\MessageBreak%
              By option nopagecolor the "colour" to be used with %
              \string\nopagecolor\MessageBreak%
              is set. The current value is "none" (maybe by default),%
              \MessageBreak%
              but the crop package broke \string\nopagecolor .\MessageBreak%
              Therefore the colour cannot be "none".\MessageBreak%
              Please change the option accordingly!\MessageBreak%
              As first aid nopagecolor is now set to white\MessageBreak%
             }%
            \setkeys{pagecolor}{nopagecolor=white}%
          \fi%
          \renewcommand{\nopagecolor}{\pagecolor{\pagecolor@nopagecolor}}%
         }%
     }{% crop neither loaded afterwards.
      }%
  \fi%
  }

%    \begin{macrocode}
```
⟨/package⟩

6 Installation

6.1 Downloads

Everything is available at https://www.ctan.org, but may need additional packages themselves.

`pagecolor.dtx` For unpacking the `pagecolor.dtx` file and constructing the documentation it is required:

- TEXFormat LaTeX 2ε: https://www.CTAN.org
- document class ltxdoc, 2015/03/26, v2.0w, https://www.ctan.org/pkg/ltxdoc
- package holtxdoc, 2012/03/21, v0.24, https://www.ctan.org/pkg/holtxdoc

`pagecolor.sty` The `pagecolor.sty` for LaTeX 2ε (i. e. each document using the pagecolor package) requires:

- TEX Format LaTeX 2ε, https://www.CTAN.org
- package kvoptions, 2011/06/30, v3.11, https://www.ctan.org/pkg/kvoptions
- package ifpdf, 2011/01/30, v2.3, https://www.ctan.org/pkg/ifpdf
- package ifluatex, 2010/03/01, v1.3, https://www.ctan.org/pkg/ifluatex

and either

- package xcolor, 2007/01/21, v2.11, https://www.ctan.org/pkg/xcolor

or

- package color, 2014/10/28, v1.1a, https://www.ctan.org/pkg/color (from the graphics package bundle).

`pagecolor-example.tex` The `pagecolor-example.tex` requires the same file as all documents using the pagecolor package, i. e.

- package pagecolor, 2015/08/30, v1.0h, https://www.ctan.org/pkg/pagecolor
  (Well, it is the example file for this package, and because you are reading the documentation for the pagecolor package, it can be assumed that you already have some version of it – is it the current one?)

and additionally:

- class article, 2014/09/29, v1.4h, from classes:
  https://www.ctan.org/pkg/classes
- package xcolor, 2007/01/21, v2.11, https://www.ctan.org/pkg/xcolor
  This package would not be needed for the use of just base colours only, the color package would be sufficient for that.
- package afterpage, 2014/10/28, v1.08, https://www.ctan.org/pkg/afterpage
  This package is only needed for demonstrating the `\newpagecolor{somecolour}\afterpage{\restorepagecolor}` construct.
- package lipsum, 2014/07/27, v1.3, https://www.ctan.org/pkg/lipsum
  This package is only needed for some blind text.
- package hologo, 2012/04/26, v1.10, https://www.ctan.org/pkg/hologo
  This package is only needed to write pdfTEX, LuaTEX, and XeTEX.

Alternatives
transparent
hrefhide

As possible alternatives in section 3, Alternatives, there are listed (newer versions might be available):

- package transparent, 2007/01/08, v1.0,
  https://www.ctan.org/pkg/transparent

- package hrefhide, 2011/04/29, v1.0h,
  https://www.ctan.org/pkg/hrefhide

Oberdiek
hologo
holtxdoc
kvoptions

All packages of Heiko Oberdiek's bundle 'oberdiek' (especially hologo, holtxdoc, and kvoptions) are also available in a TDS compliant ZIP archive: http://mirror.ctan.org/install/macros/latex/contrib/oberdiek.tds.zip. It is probably best to download and use this, because the packages in there are quite probably both recent and compatible among themselves.

hyperref

hyperref is not included in that bundle and needs to be downloaded separately, http://mirror.ctan.org/install/macros/latex/contrib/hyperref.tds.zip.

Münch

A hyperlinked list of my (other) packages can be found at https://www.ctan.org/author/muench-hm.

6.2 Package, unpacking TDS

Package. This package is available on https://www.CTAN.org.

http://mirror.ctan.org/macros/latex/contrib/pagecolor/pagecolor.dtx
The source file.

http://mirror.ctan.org/macros/latex/contrib/pagecolor/pagecolor.pdf
The documentation.

http://mirror.ctan.org/macros/latex/contrib/pagecolor/pagecolor-example.pdf
The compiled example file, as it should look like.

http://mirror.ctan.org/macros/latex/contrib/pagecolor/README
The README file.

There is also a `pagecolor.tds.zip` available:

http://mirror.ctan.org/install/macros/latex/contrib/pagecolor.tds.zip
Everything in TDS compliant, compiled format.

which additionally contains

pagecolor.ins	The installation file.
pagecolor.drv	The driver to generate the documentation.
pagecolor.sty	The `.styl`e file.
pagecolor-example.tex	The example file.

For required other packages, please see the preceding subsection.

Unpacking. The `.dtx` file is a self-extracting docstrip archive. The files are extracted by running the `..dtx` through plain TEX:

```
tex pagecolor.dtx
```

About generating the documentation see paragraph 6.4 below.

TDS. Now the different files must be moved into the different directories in your installation TDS tree (also known as `texmf` tree):

```
pagecolor.sty         → tex/latex/pagecolor/pagecolor.sty
pagecolor.pdf         → doc/latex/pagecolor/pagecolor.pdf
pagecolor-example.tex → doc/latex/pagecolor/pagecolor-example.tex
pagecolor-example.pdf → doc/latex/pagecolor/pagecolor-example.pdf
pagecolor.dtx         → source/latex/pagecolor/pagecolor.dtx
```

If you have a `docstrip.cfg` that configures and enables docstrip's TDS installing feature, then some files can already be in the right place, see the documentation of docstrip.

6.3 Refresh file name databases

If your TEX distribution (TEX Live, mikTEX, teTEX, ...) relies on file name databases, you must refresh these. For example, teTEX users run `texhash` or `mktexlsr`.

6.4 Some details for the interested

Unpacking with LATEX. The `.dtx` chooses its action depending on the format:

plain TEX: Run docstrip and extract the files.

LATEX: Generate the documentation.

If you insist on using LATEX for docstrip (really, docstrip does not need LATEX), then inform the autodetect routine about your intention:

```
latex \let\install=y\input{pagecolor.dtx}
```

Do not forget to quote the argument according to the demands of your shell.

Generating the documentation. You can use both the `.dtx` or the `.drv` to generate the documentation. The process can be configured by a configuration file `ltxdoc.cfg`. For instance, put the following line into this file, if you want to have A4 as paper format:

```
\PassOptionsToClass{a4paper}{article}
```

An example follows how to generate the documentation with pdfLATEX:

```
pdflatex pagecolor.dtx
makeindex -s gind.ist pagecolor.idx
pdflatex pagecolor.dtx
makeindex -s gind.ist pagecolor.idx
pdflatex pagecolor.dtx
```

6.5 Compiling the example

The example file, pagecolor-example.tex, can be compiled via
`(pdf)latex pagecolor-example.tex`.

7 Acknowledgements

I would like to thank Heiko Oberdiek for providing a lot (!) of useful packages (from which I also got everything I know about creating a file in `.dtx` format, ok, say it: copying), and the news:comp.text.tex and news:de.comp.text.tex newsgroups for their help in all things TEX, especially all contributors to the discussion at https://groups.google.com/forum/#!topic/comp.text.tex/UzV26-RNYPY (H. Oberdiek & Gouailles).
I thank haoyun_tex for suggesting the `\newpagecolor`/`\restorepagecolor` pair of commands and everyone at https://tex.stackexchange.com/q/25137/6865 for their contributions there. Thanks go to Heiner Richter for finding a bug and to Johannes Böttcher for reporting it.

8 History

Some old versions have been archived at
http://ctanhg.scharrer-online.de/pkg/pagecolor.html.

[2011/07/16 v1.0a]

- First version discussed at news:comp.text.tex.

[2011/08/06 v1.0b]

- Changed version uploaded to the CTAN.

[2011/08/08 v1.0c]

- Fixed a `\setkeys`.

[2012/02/01 v1.0d]

- Bugfix: Obsolete installation path given in the documentation, updated.
- New commands: `\newpagecolor{...}`, `\restorepagecolor`.
- Update of documentation, README, and `dtx` internals.

[2012/02/23 v1.0e]

- Fixed an error in the documentation.
- Check for loading of color or xcolor package and their versions has been changed, because xcolor sets
  `\@namedef{ver@color.sty}{1999/02/16}`
  which gave a warning about old color package even if a new version was used.

[2015/06/21 v1.0f]

- Fixed the urls in the documentation.
- Handle `\nopagecolor` when it is not defined or broken by crop, new option `nopagecolor` introduced.
- Update of documentation, README, and `dtx` internals.

[2015/06/22 v1.0g]

- Replaced all error messages by warnings.

[2015/08/30 v1.0h]

- Bugfix: Cecking for `crop` package done `\AtBeginDocument`, but some of the related code must already be performed earlier. Bug found by Heiner Richter and reported by Johannes Böttcher, thanks!

When you find a mistake or have a suggestion for an improvement of this package, please send an e-mail to the maintainer, thanks! (Please see BUG REPORTS in the README.)

9 Index

Numbers written in italic refer to the page where the corresponding entry is described; numbers underlined refer to the code line of the definition; plain numbers refer to the code lines where the entry is used.

Symbols

\@bsphack 216
\@esphack 241
\@ifpackagelater 134, 249, 325
\@ifpackageloaded . 133, 143, 247, 323
\@ifundefined 207, 220

A

\afterpage 26, 107, 109
\Alternatives *15*
\AtBeginDocument 319

D

\DeclareStringOption 167, 168

H

\hologo *15*, 35, 89, 90
\holtxdoc *15*
\hrefhide *15*
\hyperref *15*

I

\ifluatex 174, 292
\ifpdf 175, 293

K

\kvoptions *15*

L

\lipsum 116

M

\M\"{u}nch *15*

N

\newcommand 208, 310, 315
\newpagecolor 26, 75, 77, 107, 109, 128, 310
\nopagecolor *3*, 88, 130, 171, 222, 225, 234, 244, 252, 258, 266, 278, 281, 288, 300, 328, 334, 342, 354, 357, 364

O

\Oberdiek *15*
\options *3*
\orignopagecolour . 244, 261, 303, 337
\origpagecolour 214, 233, 239

P

\PackageInfo 179
\PackageWarning 137, 146, 183, 198, 221, 251, 265, 274, 327, 341, 350
\pagecolor *3*, 63, 86, 88, 102, 104, 208, 209, 214, 288, 308, 312, 315, 364
\pagecolor-example.tex *14*
\pagecolor.dtx *14*
\pagecolor.sty *14*
\pagecolor@cl 246, 248, 321, 324
\pagecolor@nopagecolor 168, 181, 202, 205, 208, 209, 227, 230, 231, 233, 268, 272, 288, 298, 344, 348, 364
\pagecolor@pagecolor . . 167, 196, 308

R

\renewcommand 209, 216, 258, 288, 300, 334, 364
\RequirePackage 131, 132, 144, 157, 159, 160
\restorepagecolor 26, 80, 82, 97, 99, 107, 109, 129, 315

S

\setkeys 194, 205, 286, 362

T

\thepagecolor 57, 59, 66, 68, 93, 128, 230, 237, 259, 301, 317, 335
\thepagecolornone . . . 58, 94, 128, 231, 238, 239, 260, 302, 311, 336
\transparent *15*

U

\unit 37, 52, 53