The pagecolor package

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Abstract

This \LaTeX{} package provides the command \texttt{\thepagecolor}, which gives the current page (background) color, i.e. the argument used with the most recent call of \texttt{\pagecolor{...}}. The command \texttt{\thepagecolornone} gives the same color as \texttt{\thepagecolor}, except when the page background color is \texttt{"none"}. In that case \texttt{\thepagecolor} is \texttt{white} and \texttt{\thepagecolornone} is \texttt{none}.

When \texttt{\nopagecolor} is unknown or in case of the \texttt{crop} package broken, this package provides a replacement.

Similar to \texttt{\newgeometry} and \texttt{\restoregeometry} of the \texttt{geometry} package \texttt{\newpagecolor{<some color>}} and \texttt{\restorepagecolor} are provided.

For use with the \texttt{crop} package \texttt{\backgroundpagecolor{<some color>}} as well as \texttt{\newbackgroundpagecolor{<some color>}} and \texttt{\restorebackgroundpagecolor} are provided.

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1 Introduction

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

For use with the \texttt{crop} package \texttt{\backgroundpagecolor{<some color>}} as well as \texttt{\newbackgroundpagecolor{<some color>}} and \texttt{\restorebackgroundpagecolor} are provided.

2 Usage

Just load the package placing

\begin{verbatim}
\usepackage[<options>]{pagecolor}
\end{verbatim}

in the preamble of your \LaTeX{} source file. This should be done before another package uses \texttt{\pagecolor}. Afterwards \texttt{\pagecolor{...}} can be used to change the page (background) color as usual. Then \texttt{\thepagecolor} gives the current page (background) color (in the same format as given with \texttt{\pagecolor{...}}). Similar to \texttt{\newgeometry} and \texttt{\restoregeometry} of the \texttt{geometry} package \texttt{\newpagecolor{<some color>}} and \texttt{\restorepagecolor} are provided: \texttt{\newpagecolor{<some color>}} will execute \texttt{\pagecolor{<some color>}} and remember the page color used before. \texttt{\restorepagecolor} (without argument) restores the page color to the one used before use of the \texttt{\newpagecolor{...}} command.

When you want to change the color for just one page and do not want to (or cannot) manually determine where that page ends, \texttt{\newpagecolor{<some color>}}\texttt{\afterpage{\restorepagecolor}} does the trick (and requires a \texttt{\usepackage{afterpage}} in the document’s preamble), or for short
\newcommand{\onepagecolor}[1]{% 
\newpagecolor{#1}\afterpage{\restorepagecolor}}
in the preamble and \onepagecolor{<some color>} in the document. When the crop package is used, \backgroundpagecolor{<some color>} can be used to change the background/outer/physical page color and \newbackgroundpagecolor{<some color>}\afterpage{\restorebackgroundpagecolor} for changing just one background/outer/physical page color.

2.1 Options

options The pagecolor package takes the following options:

2.1.1 pagecolor

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

2.1.2 nopagecolor

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

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. pdf\TeX 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.

- OCG (Optional Content Groups): It allows for example to “hide” something when printing the document while keeping the layout, https://www.ctan.org/search?phrase=ocg.

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

This example demonstrates the use of package `pagecolor`, v1.2a as of 2022-11-27 (HMM). The used options were `pagecolor={LightGoldenrod1}`, `nopagecolor={none}`. `\verb|\newpagecolor{somecolor}\afterpage{\restorepagecolor}|` would be the default, and `\verb|\newpagecolor={none}|| (which is the default).

The current page (background) color is `\thepagecolor`. When the page color would be `\verb|\newpagecolor={none}||`, which would only be different from `\verb|\thepagecolor|`, then the page color would be `\verb|\newpagecolor={none}||`. For more details please see the documentation!

\pagebreak

The page color is `\verb|\color{white}|`. The current page (background) color is `\verb|\color{white}|`.
And that makes this text practically invisible.

Which made the preceding line of text practically invisible, but it can be copied and pasted.

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

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

This page uses \verb|\pagecolor{none}|. If the \verb|\nopagecolor| command is known, the page color is now \verb|none| (because option \verb|\nopagecolor={none}|), otherwise \verb|white| (or the color given with option \verb|\nopagecolor={...}|):

\verb|\thepagecolor| = \verb|\thepagecolornone|.

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

\verb|\pagebreak| \verb|\smallskip| \verb|\textbf{\lipsum[1-11]}| \verb|\bigskip| The page color was changed back at the end of the page -- in mid-sentence!

When activating the loading of the crop package in the preamble of this document, \verb|\backgroundpagecolor{<|\textit{some color}|\verb|}>| changes the color of the background/outer/physical page.
Analogous to \verb|\newpagecolor{...}| and \verb|\restorepagecolor|, for the background/outer/physical page \verb|\newbackgroundpagecolor{]<text {some color}>}| and \verb|\restorebackgroundpagecolor| are provided (but not demonstrated here).

\end{document}

⟨/example⟩

5 The implementation

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

(*package)
\NeedsTeXFormat{LaTeX2e}[2021-11-15]
\ProvidesPackage{pagecolor}[2022-11-27 1.2a
Provides the \thepagecolor, \thepagecolornone, \newpagecolor{...}, \restorepagecolor, \backgroundpagecolor, \newbackgroundpagecolor{...}, and \restorebackgroundpagecolor commands and a replacement for the \nopagecolor command, if this is not available.

A short description of the pagecolor package:

% Provides the \thepagecolor, \thepagecolornone, \newpagecolor{...},
% \restorepagecolor, \backgroundpagecolor, \newbackgroundpagecolor{...},
% and \restorebackgroundpagecolor commands and a replacement for the
% \nopagecolor command, if this is not available.

We want to wrap the messages nicely:

\RequirePackage{hardwrap}[2011/02/12]% v0.2
\GenerateLogMacros{package}{pagecolor}

We need the kvoptions package:

\RequirePackage{kvoptions}[2020-10-07]% v3.14

and either the color or the xcolor package:

% \% \RequirePackage{ either color or xcolor }:
\IfPackageLoadedTF{xcolor}{% xcolor loaded
\RequirePackage{xcolor}[2021/10/31]% v2.13
}{% xcolor not loaded
\IfPackageLoadedTF{color}{% color loaded
\RequirePackage{color}[2021/12/07]% v1.3c
}{% color not loaded
\pagecolor@warning@noline{%
The pagecolor package must be loaded after either %
package color or after package xcolor (at your %
option). Neither package was loaded before package %
pagecolor. Loading of package xcolor will now be %
tried automatically. \%
When the pagecolor package is used with option %
pagecolor using a color requiring e.g. x11names %
option for xcolor package, this will not work!%
}
}\RequirePackage{xcolor}[2021/10/31]% v2.13
}

We process the options:

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

\end{document}
is nowadays readily available. Let us test nevertheless:

```latex
\ifdefined\nopagecolor\relax
\else
\pagecolor@info\noline{\string\nopagecolor\ is undefined!}
\def\pagecolortmpb{none}
\edef\pagecolortmpa{\pagecolor@nopagecolor}
\if\pagecolortmpa\pagecolortmpb
\pagecolor@warning\noline{Option \nopagecolor=none requested but \string\nopagecolor\ %
unknown: \%
By option \nopagecolor the "color" to be used with %
\string\nopagecolor\ %
is set. The current value is "none" (maybe by default), %
but command \string\nopagecolor\ is undefined. %
Therefore the color cannot be "none". %
Please change the option accordingly! - %
As first aid \nopagecolor is now set to white. %}
\setkeys{pagecolor}{nopagecolor=white}
\fi
\edef\pagecolortmpa{\pagecolor@pagecolor}
\if\pagecolortmpa\pagecolortmpb\relax
\pagecolor@warning\noline{Option pagecolor=none (maybe by default) used, %
but \string\nopagecolor\ is unknown. %
Please use another option value; %
\pagecolor@nopagecolor\ will be used now. %}
\setkeys{pagecolor}{pagecolor={\pagecolor@nopagecolor}}
\fi
\newcommand{\nopagecolor}{\pagecolor{\pagecolor@nopagecolor}}
\fi
\edef\pagecolortmpa{\pagecolor@pagecolor}
\if\pagecolortmpa\pagecolortmpb\relax
\pagecolor@warning\noline{Option pagecolor=none requested but \string\nopagecolor\ %
unknown: \%
\string\pagecolor{none} was used, but the command %
\string\nopagecolor\ is undefined. %
Please use another color. \%
\pagecolor=\pagecolor@nopagecolor\ \%
will be used now. %}
\edef\thepagecolor{\pagecolor@nopagecolor}
\edef\thepagecolornone{\pagecolor@nopagecolor}
\origpagecolor{\pagecolor@nopagecolor}
\fi
```

\pagecolor We save the original \pagecolor command,

\let\origpagecolor\pagecolor

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

```latex
\newcommand{\nopagecolor}[1]{\@bsphack%
\edef\pagecolortmpa{#1}%
\def\pagecolortmpb{none}%
\if\pagecolortmpa\pagecolortmpb\relax%
\ifdefined\nopagecolor\relax%
\nopagecolor%
\else%
\pagecolor@warning(%
\pagecolor=none requested but \string\nopagecolor\ %
unknown: \%
\string\pagecolor{none} was used, but the command %
\string\nopagecolor\ is undefined. %
Please use another color. \%
\pagecolor=\pagecolor@nopagecolor\ \%
will be used now. %}
\pagecolor@warning{\thepagecolor@nopagecolor}\%
\pagecolor=\pagecolor@nopagecolor\ %
\pagecolor=\pagecolor@nopagecolor\ %
\origpagecolor{\pagecolor@nopagecolor}%
\fi%
```

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nopagecolor regularly is defined. If it was not, we already defined a replacement, see page 7. But additionally nopagecolor does not work if the crop package is used. A workaround needs to be defined:

\let\orignopagecolor\nopagecolor\relax
\gdef\pagecolor@cl{0}
\IfPackageLoadedTF{crop}{% crop loaded
\gdef\pagecolor@cl{1}
\pagecolor@info{\string\nopagecolor\space did not work with the crop package %
2017/11/19 v1.10. Using \%
\par\pagecolor@nopagecolor \ \%
as nopagecolor now.}%
\def\pagecolortmpb{none}
\edef\pagecolortmpa{\pagecolor@nopagecolor}
\ifx\pagecolortmpa\pagecolortmpb\relax
\pagecolor@warning@noline{%
Option nopagecolor=none requested but this does not work with the %
crop package. By option nopagecolor the "color" to be used with %
\string\nopagecolor\ is set. The current value is "none" (maybe by %
default), but the crop package broke \string\nopagecolor . %
Therefore the color cannot be "none". %
Please change the option accordingly! %
As first aid nopagecolor is now set to white. %
}%
\setkeys{pagecolor}{nopagecolor=white}
\fi
\renewcommand{\nopagecolor}{\pagecolor@nopagecolor}
}% crop not loaded
\else
\gdef\pagecolortmpa{\pagecolor@nopagecolor}
\fi
\renewcommand{\nopagecolor}{%
\xdef\thepagecolor\pagecolortmpa
\xdef\thepagecolornone{\pagecolortmpa}
\orignopagecolor%
}

The (new) \pagecolor is now just carried out.
\pagecolor{\pagecolor@pagecolor}

Now the page (background) color as well as \thepagecolor are
\pagecolor@pagecolor. \thepagecolornone is none, if that color 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) color is none, when known, otherwise \pagecolor@nopagecolor, and if that was none (but that unknown), it is white, and \thepagecolor is
\section*{\pagecolor@nopagecolor}

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

\begin{verbatim}
\newcommand{\newpagecolor}[1]{%
  \xdef\pagecolortmpc{\thepagecolornone}%
  \pagecolor{#1}%
%}
\newcommand{\restorepagecolor}{\pagecolor{\pagecolortmpc}}%
\end{verbatim}

\texttt{\newpagecolor{<some color>}} will execute \texttt{\pagecolor{some color}} and remember the page color used before.

\section*{\restorepagecolor}

\begin{verbatim}
\newcommand{\restorepagecolor}{\pagecolor{\pagecolortmpc}}%
\end{verbatim}

\texttt{\restorepagecolor} (without argument) restores the page color to the one used before use of the \texttt{\newpagecolor{...}} command.

\begin{verbatim}
\gdef\pagecolortmpc{\thepagecolor}
\end{verbatim}

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

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

\section*{\backgroundpagecolor}

When the \texttt{crop} package has been loaded, the background/outer/physical page color is determined by the last \texttt{\pagecolor{...}} in the preamble after \texttt{\usepackage[...]{crop}} and cannot be changed in the document. When the \texttt{\pagecolor{...}} is given before \texttt{\usepackage[...]{crop}}, a \texttt{\nopagecolor} works at the background/outer/physical page and not at the inner/foreground/logic page. \texttt{\nopagecolor} is fixed above. To change the background/outer/physical page color during the document, \texttt{\backgroundpagecolor{<some color>}} is provided:

\begin{verbatim}
\newcommand{\backgroundpagecolor}[1]{%\IfPackageLoadedTF{crop}{%\xdef\pagecolortmpd{\thepagecolor}}%
  \IfPackageLoadedTF{crop}{%\xdef\pagecolortmpd{\thepagecolor}}%
  \IfPackageLoadedTF{crop}{%\xdef\pagecolortmpd{\thepagecolor}}%
  \pagecolor{#1}%
%\end{verbatim}

Remember current inner/foreground/logic page color:

\begin{verbatim}
\xdef\pagecolortmpd{\thepagecolor}%
\end{verbatim}

Set inner/foreground page color to color whished for background/outer/physical page color:

\begin{verbatim}
\pagecolor{#1}%
\end{verbatim}

Get that color, for example, \texttt{\pagecolor{blue}} might result in \texttt{\CRIP@pagecolor} to be \texttt{0 0 1 rg 0 0 1 RG}:

\begin{verbatim}
\xdef\pagecolortmpd{\CRIP@pagecolor}%
\end{verbatim}

Set the inner/foreground/logic page color back to the color before changing it:

\begin{verbatim}
\pagecolor{\pagecolortmpd}%
\end{verbatim}
Set the background/outer/physical page color:
\def\CROP@stockcolor{\pagecolortmpf}\%
\def\pagecolortmpf{\CROP@stockcolor}\%
\backgroundpagecolor{#1}%%%%
 anything when the crop package has not been loaded.}\
 - except giving this information.
\%
}
}

\newbackgroundpagecolor
Analogous to \newpagecolor and \restorepagecolor, for the background/outer/physical page we define:
\newcommand{\newbackgroundpagecolor}[1]{%  
\IfPackageLoadedTF{crop}{%  
\xdef\pagecolortmpf{\CROP@stockcolor}\%
\backgroundpagecolor{#1}\
 anything when the crop package has not been loaded.}\
}}%
}

\newbackgroundpagecolor
\newcommand{\restorebackgroundpagecolor}{%  
\IfPackageLoadedTF{crop}{%  
\xdef\CROP@stockcolor{\pagecolortmpf}}{%  \pagecolor@info{\string\newbackgroundpagecolor\ does not do %  anything when the crop package has not been loaded.}}%
}
}

We checked whether the crop package had been loaded before the pagecolor package, but maybe it has been loaded afterwards. This is checked at the end of \begin{document}:  
\AddToHook{begindocument/end}{%  \def\pagecolortmpb{0}\%  \ifx\pagecolor@cl\pagecolortmpb\relax%  \% crop not loaded before pagecolor, but maybe afterwards:  \IfPackageLoadedTF{crop}{%  \xdef\pagecolortmpf{\CROP@stockcolor}\%
\backgroundpagecolor{#1}\
 anything when the crop package has not been loaded.}\
}}%
}

\AddToHook{begindocument/end}{%  \def\pagecolortmpb{0}\%  \ifx\pagecolor@cl\pagecolortmpb\relax%  \% crop not loaded before pagecolor, but maybe afterwards:  \IfPackageLoadedTF{crop}{%  \xdef\pagecolortmpf{\CROP@stockcolor}\%
\backgroundpagecolor{#1}\
 anything when the crop package has not been loaded.}\
}}%
}

\AddToHook{begindocument/end}{%  \def\pagecolortmpb{0}\%  \ifx\pagecolor@cl\pagecolortmpb\relax%  \% crop not loaded before pagecolor, but maybe afterwards:  \IfPackageLoadedTF{crop}{%  \xdef\pagecolortmpf{\CROP@stockcolor}\%
\backgroundpagecolor{#1}\
 anything when the crop package has not been loaded.}\
}}%
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:
- \LaTeX\ \LaTeX\ 2ε 2021-11-15 or newer: https://www.CTAN.org
- document class ltxdoc, 2020/12/05, v2.1b, https://www.ctan.org/pkg/ltxdoc
- package holtxdoc, 2019/12/09, v0.30, https://www.ctan.org/pkg/holtxdoc

pagecolor.sty  
The pagecolor.sty for \LaTeX\ 2ε (i.e. each document using the pagecolor package) requires:
- \LaTeX\ \LaTeX\ 2ε 2021-11-15 or newer, https://www.CTAN.org
- package hardwrap, 2011/02/12, v0.2, https://www.ctan.org/pkg/hardwrap
  and either
  or

pagecolor-example.tex  
The pagecolor-example.tex requires the same file as all documents using the pagecolor package, i.e.
  (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, 2021/10/04, v1.4n, from classes:
  https://www.ctan.org/pkg/classes
  This package would not be needed for the use of just base colors only, the color package would be sufficient for that.
  This package is only needed for demonstrating the \newpagecolor{somecolor}\afterpage{\restorepagecolor} construct.
  This package is only needed for some blind text.
As possible alternatives in section 3, Alternatives, there are listed (newer versions might be available):

- package transparent, 2022-10-27, v1.5,
  https://www.ctan.org/pkg/transparent

- OCG (Optional Content Groups),
  https://www.ctan.org/search?phrase=ocg

All packages of the ‘oberdiek’ bundle (especially holtxdoc and kvoptions) are also available in a TDS compliant ZIP archive:


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,

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.

https://mirror.ctan.org/macros/latex/contrib/pagecolor/pagecolor.dtx

The source file.


The documentation.

https://mirror.ctan.org/macros/latex/contrib/pagecolor/pagecolor-example.pdf

The compiled example file, as it should look like.

https://mirror.ctan.org/macros/latex/contrib/pagecolor/README

The README file.

There is also a pagecolor.tds.zip available:

https://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 .style 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:

```latex
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 (TeXLive, MiKTeX, ...) relies on file name databases,
you must refresh these. For example, TeXLive 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:

```
l 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 pdf\LaTeX:

```
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/g/comp.text.tex/c/UzV26-RNYPY (H. Oberdiek & Gouailles).

I thank haoyun_tex for suggesting the \texttt{\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, to JOHANNES BÖTTCHER for reporting it, and to REUBEN THOMAS for suggestions for improvements of this documentation.

8 History

[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 \texttt{\setkeys}.

[2012/02/01 v1.0d]
- Bugfix: Obsolete installation path given in the documentation, updated.
- New commands: \texttt{\newpagecolor(...), \restorepagecolor}.
- Update of documentation, README, and dtx internals.

[2012/02/23 v1.0e]
- Fixed an error in the documentation.
- Check for loading of \texttt{color} or \texttt{xcolor} package and their versions has been changed, because \texttt{xcolor} sets
\begin{verbatim}
\@namedef{ver@color.sty}{1999/02/16}
\end{verbatim}
which gave a warning about old \texttt{color} package even if a new version was used.

[2015/06/21 v1.0f]
- Fixed the urls in the documentation.
- Handle \texttt{\nopagecolor} when it is not defined or broken by \texttt{crop}, new option \texttt{\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: Checking for \crop package done \texttt{\AtBeginDocument}, but some of the related code must already be performed earlier. Bug found by HEINER RICHTER and reported by JOHANNES BÖTTCHER, thanks!

2017/05/29 v1.0i

- Documentation update following suggestions for improvements by REUBEN THOMAS, thanks!
- This version has been archived at https://web.archive.org/web/20220120221237/https://mirror.ctan.org/install/macros/latex/contrib/pagecolor.tds.zip

2022-11-20 v1.1a

- Replaced all \texttt{colour} (with u) by \texttt{color} (without u).
- Converted to UTF-8.
- Updated to \LaTeX format 2021-11-15.
- Corrected an error in the example.
- \texttt{Xe\LaTeX} and others now do know \texttt{\nopagecolor}.
- Package \texttt{crop} has been updated, but \texttt{\nopagecolor} still applies to the physical background sheet instead of the logical foreground area.
- Now using the \texttt{hardwrap} package.

2022-11-27 v1.2a

- Now also handling the background/outer/physical page color, when the \texttt{crop} package is used.
- Documentation updates.

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.)
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