The **pagecolor** package

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Abstract

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

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

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

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Contents

1 Introduction

This LaTeX package provides the command `\thepagecolor`, which gives the current page (background) color, i. e. the argument used with the most recent call of `\pagecolor{...}`. (`\pagecolor` needs to be defined before by the xcolor or color package.) The pagecolor package should be loaded before any package sets a page (background) color, but obviously after the xcolor or color package. Its option `pagecolor={...}` is used to set the initial `\pagecolor{...}`.

The command `\thepagecolornone` gives the same color as `\thepagecolor`, except when the page background color is "none" (e. g. result of using the `\nopagecolor` command). In that case `\thepagecolor` is white and `\thepagecolornone` is none. When `\nopagecolor` is unknown or in case of the crop package broken, this package provides a replacement depending on option nopagecolor. Similar to `\newgeometry` and `\restoregeometry` of the geometry package `\newpagecolor{<some color>}` and `\restorepagecolor` are provided.

2 Usage

Just load the package placing

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

in the preamble of your LaTeX 2_ε source file. This should be done before another package uses `\pagecolor`. Afterwards `\pagecolor{...}` can be used to change the page (background) color as usual. Then `\thepagecolor` gives the current page (background) color (in the same format as given with `\pagecolor{...}`).

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

`\newpagecolor{<some color>}` will execute `\pagecolor{<some color>}` and remember the page color used before. `\restorecolor` (without argument) restores the page color to the one used before use of the `\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,

`\newpagecolor{<some color>}\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 color>}` in the document.

2.1 Options

The pagecolor package takes the following options:

2.1.1 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

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. 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.

- 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

```
 1 ⟨*example⟩
 2 \NeedsTeXFormat{LaTeX2e}[2021-11-15]
 3 \documentclass[british]{article}[2021/10/04]% v1.4n
 4 \usepackage[%
 5  extension=pdf,%
 6  plainpages=false,%
 7  pdfpagelabels=true,%
 8  hyperindex=false,%
 9  pdflang={en},%
10  pdftitle={pagecolor package example},%
11  pdfauthor={H.-Martin Muench},%
12  pdfsubject={Example for the pagecolor package},%
13  pdfkeywords={LaTeX, pagecolor, thepagecolor, page color, page colour},%
14  pdfview=Fit,pdfstartview=Fit,%
15  pdfpagelayout=SinglePage%
16 ]{hyperref}[2022-02-21]% v7.00n
17
18 \usepackage[x11names]{xcolor}[2021/10/31]% v2.13
19 % The xcolor package would not be needed for just using the base colors.
20 % The color package would be sufficient for that.
21
22 \usepackage[pagecolor={LightGoldenrod1},%
23   nopagecolor={none}]{pagecolor}[2022-11-20]% v1.1a
24
25 \usepackage{afterpage}[2014/10/28]% v1.08
26 % The afterpage package is generally not needed,
27 % but the |\newpagecolor{somecolor}\afterpage{\restorepagecolor}|
28 % construct shall be demonstrated.
29
30 \usepackage{lipsum}[2021-09-20]% v2.7
31 % The lipsum package is generally not needed,
32 % but some blind text is needed for the example.
33
34 \listfiles
35 \begin{document}
36 \pagenumbering{arabic}
37 \section*{Example for pagecolor}
38
39 This example demonstrates the use of package\newline
40 \textsf{pagecolor}, v1.1a as of 2022-11-20 (HMM).\newline
41 The used options were\newline
42 \verb|pagecolor={LightGoldenrod1}|\newline
43 (\verb|pagecolor={none}| would be the default), and\newline
44 \verb|nopagecolor={none}| (which is the default).
45
46 \noindent For more details please see the documentation!
47
48 \noindent The current page (background) color is\newline
49 \verb|\thepagecolor|\ =\ \thepagecolor \newline
50 (and \verb|\thepagecolornone|\ =\ \thepagecolornone ,
51 which would only be different from \verb|\thepagecolor|,
52 when the page color would be \verb|none|).
53
54 \pagebreak
55 \pagecolor{rgb:-green!40!yellow,3;green!40!yellow,2;red,1}
56
57 {\color{white} The current page (background) color is\newline
58 \verb|\thepagecolor|\ =\ \thepagecolor .}
59
60 {\color{\thepagecolor} And that makes this text practically invisible.}
61
```

```
62 {\color{white} Which made the preceding line of text practically
63 invisible, but it can be copied and pasted.}
64
65 \pagebreak
66 \newpagecolor{red}
67
68 This page uses \verb|\newpagecolor{red}|.
69
70 \pagebreak
71 \restorepagecolor
72
73 {\color{white}And this page uses \verb|\restorepagecolor| to restore
74 the page color to the value it had before the red page.}
75
76 \pagebreak
77 \pagecolor{none}
78
79 This page uses \verb|\pagecolor{none}|. If the \verb|\nopagecolor|
80 command is known, the page color is now
81 \verb|none| (because option \verb|nopagecolor={none}|), otherwise
82 \verb|white| (or the color given with option \verb|nopagecolor={...}|):
83 \newline
84 \verb|\thepagecolor|\ =\ \thepagecolor\ and
85 \verb|\thepagecolornone|\ =\ \thepagecolornone .
86
87 \pagebreak
88 \restorepagecolor
89
90 {\color{white}\verb|\restorepagecolor| restored the page color again.}
91
92 \pagebreak
93 \pagecolor{green}
94
95 This page is green due to \verb|\pagecolor{green}|.
96
97 \pagebreak
98 \newpagecolor{blue}\afterpage{\restorepagecolor}
99
100 {\color{white}\verb|\newpagecolor{blue}\afterpage{\restorepagecolor}|%
101 \newline
102 was used here, i.\,e.~this page is blue, and the next one will
103 automatically have the same page color before it was changed to blue
104 here (i.\,e. green).}
105
106 \smallskip
107 {\color{red}\textbf{\lipsum[1-11]}}
108 \bigskip
109
110 The page color was changed back at the end of the page --
111 in mid-sentence!
112
113 \end{document}
114 ⟨/example⟩
```

5 The implementation

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

```
115 ⟨∗package⟩
116 \NeedsTeXFormat{LaTeX2e}[2021-11-15]
117 \ProvidesPackage{pagecolor}[2022-11-20 1.1a
118          Provides thepagecolor (HMM)]
```

A short description of the pagecolor package:

```
119 %% Provides the \thepagecolor, \thepagecolornone, \newpagecolor{...},
120 %% and \restorepagecolor commands and a replacement for the
121 %% \nopagecolor command, if this is not available.
```

We want to wrap the messages nicely:

```
122 \RequirePackage{hardwrap}[2011/02/12]% v0.2
123 \GenerateLogMacros{package}{pagecolor}
124
```

We need the kvoptions package:

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

and either the color or the xcolor package:

```
126 %% \RequirePackage{ either color or xcolor }:
127 \IfPackageLoadedTF{xcolor}{% xcolor loaded
128    \RequirePackage{xcolor}[2021/10/31]% v2.13
129 }{% xcolor not loaded
130    \IfPackageLoadedTF{color}{%
131       \RequirePackage{color}[2021/12/07]% v1.3c
132    }{\pagecolor@warning@noline{%
133       The pagecolor package must be loaded after either %
134       package color or after package xcolor (at your %
135       option). Neither package was loaded before package %
136       pagecolor. Loading of package xcolor will now be %
137       tried automatically. \\%
138       When the pagecolor package is used with option %
139       pagecolor using a color requiring e.g. x11names %
140       option for xcolor package, this will not work!%
141    }
142    }
143    \RequirePackage{xcolor}[2021/10/31]% v2.13
144 }
145
```

We process the options:

```
146 \SetupKeyvalOptions{family=pagecolor,prefix=pagecolor@}
147 \DeclareStringOption[none]{pagecolor}%   \pagecolor@pagecolor
148 \DeclareStringOption[none]{nopagecolor}% \pagecolor@nopagecolor
149 \ProcessKeyvalOptions*
150
```

\nopagecolor   \nopagecolor is nowadays readily available. Let us test nevertheless:

```
151 \ifdefined\nopagecolor\relax
152 \else
153    \pagecolor@info@noline{\string\nopagecolor\ is undefined!}
154    \def\pagecolortmpb{none}
155    \edef\pagecolortmpa{\pagecolor@nopagecolor}
156    \ifx\pagecolortmpa\pagecolortmpb
```

```
157    \pagecolor@warning@noline{%
158      Option nopagecolor=none requested but \string\nopagecolor\ %
159      unknown: \\%
160      By option nopagecolor the "color" to be used with %
161      \string\nopagecolor\ %
162      is set. The current value is "none" (maybe by default), %
163      but command \string\nopagecolor\ is undefined. %
164      Therefore the color cannot be "none". %
165      Please change the option accordingly! - %
166      As first aid nopagecolor is now set to white.%
167      }
168    \setkeys{pagecolor}{nopagecolor=white}
169  \fi
170  \edef\pagecolortmpa{\pagecolor@pagecolor}
171  \ifx\pagecolortmpa\pagecolortmpb\relax
172    \pagecolor@warning@noline{%
173      Option pagecolor=none (maybe by default) used, %
174      but \string\nopagecolor\ is unknown. %
175      Please use another option value; %
176      \pagecolor@nopagecolor\ will be used now.%
177      }
178    \setkeys{pagecolor}{pagecolor={\pagecolor@nopagecolor}}
179  \fi
180  \newcommand{\nopagecolor}{\pagecolor{\pagecolor@nopagecolor}}
181 \fi
182
183
```

\pagecolor We save the original \pagecolor command,

```
184 \let\origpagecolor\pagecolor
185
```

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

```
186 \renewcommand{\pagecolor}[1]{\@bsphack%
187   \edef\pagecolortmpa{#1}%
188   \def\pagecolortmpb{none}%
189   \ifx\pagecolortmpa\pagecolortmpb\relax%
190     \ifdefined\nopagecolor\relax%
191       \nopagecolor%
192     \else%
193       \pagecolor@warning{%
194         pagecolor=none requested but \string\nopagecolor\ %
195         unknown: \\%
196         \string\pagecolor{none} was used, but the command %
197         \string\nopagecolor\ is undefined. %
198         Please use another color. \\%
199         pagecolor=\pagecolor@nopagecolor\ \\%
200         will be used now.%
201         }%
202       \xdef\thepagecolor{\pagecolor@nopagecolor}%
203       \xdef\thepagecolornone{\pagecolor@nopagecolor}%
204         % although it should be "none"
205       \origpagecolor{\pagecolor@nopagecolor}%
206     \fi%
207   \else%
208     \xdef\thepagecolor{#1}%
209     \xdef\thepagecolornone{#1}%
210     \origpagecolor{\thepagecolornone}%
211   \fi%
212   \@esphack%
213 }
214
```

\nopagecolor regularly is defined. If it was not, we already defined a replacement, see page 6. But additionally \nopagecolor does not work if the crop package is used. A workaround needs to be defined:

```
215 \let\orignopagecolor\nopagecolor\relax
216
217 \gdef\pagecolor@cl{0}
218 \IfPackageLoadedTF{crop}{% crop loaded
219   \gdef\pagecolor@cl{1}
220   \IfPackageAtLeastTF{crop}{2017/11/20}{
221     % later than 2017/11/19 v1.10 might be OK
222     \pagecolor@warning@noline{%
223       \string\nopagecolor\ did not work with package \\%
224       crop 2017/11/19 v1.10. A newer version is used, %
225       which the pagecolor package does not know how to handle. %
226       Please contact the maintainer of the pagecolor package!%
227       }%
228     % Let us just hope everything got fixed:
229     \renewcommand{\nopagecolor}{%
230       \xdef\thepagecolor{white}%
231       \xdef\thepagecolornone{none}%
232       \orignopagecolor%
233       % That will not have any effect except when things got fixed!
234       }%
235   }{% else: older package version
236     \pagecolor@warning@noline{%
237       \string\nopagecolor\ does not work with %
238       the used crop package. Using \\%
239       \pagecolor@nopagecolor\ \\%
240       as nopagecolor now.%
241       }
242     \def\pagecolortmpb{none}
243     \edef\pagecolortmpa{\pagecolor@nopagecolor}
244     \ifx\pagecolortmpa\pagecolortmpb\relax
245       \pagecolor@warning@noline{%
246         Option nopagecolor=none requested %
247         but this does not work with the crop package. %
248         By option nopagecolor the "color" to be used with %
249         \string\nopagecolor\ %
250         is set. The current value is "none" (maybe by default), %
251         but the crop package broke \string\nopagecolor . %
252         Therefore the color cannot be "none". %
253         Please change the option accordingly! %
254         As first aid nopagecolor is now set to white.%
255         }
256       \setkeys{pagecolor}{nopagecolor=white}
257     \fi
258     \renewcommand{\nopagecolor}{\pagecolor{\pagecolor@nopagecolor}}
259   }
260 }{% crop not loaded
261   \ifdefined\nopagecolor\relax
262     \gdef\pagecolortmpa{none}
263   \else
264     \gdef\pagecolortmpa{\pagecolor@nopagecolor}
265   \fi
266   \renewcommand{\nopagecolor}{%
267     \xdef\thepagecolor{white}%
268     \xdef\thepagecolornone{\pagecolortmpa}%
269     \orignopagecolor%
270     }
271 }
272
273
```

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

```
274 \pagecolor{\pagecolor@pagecolor}
275
```

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 \pagecolor@nopagecolor, and if that was also none but none unknown, then it is white. When the page (background) color 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 color 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):

```
276 \newcommand{\newpagecolor}[1]{%
277 \xdef\pagecolortmpc{\thepagecolornone}%
278 \pagecolor{#1}%
279 }
280
```

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

\restorepagecolor

```
281 \newcommand{\restorepagecolor}{\pagecolor{\pagecolortmpc}}
282
```

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

```
283 \gdef\pagecolortmpc{\thepagecolor}
284
```

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

When you want to change the color for just one page and do not want to (or cannot) manually determine where the page ends,
\newpagecolor{<*some color*>}\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 at the end of \begin{document}:

```
285 \AddToHook{begindocument/end}{%
286   \def\pagecolortmpb{0}%
287   \ifx\pagecolor@cl\pagecolortmpb\relax%
288     % crop not loaded before pagecolor, but maybe afterwards:
289     \IfPackageLoadedTF{crop}{% crop indeed loaded afterwards.
290       \gdef\pagecolor@cl{1}%
```

```
291      \IfPackageAtLeastTF{crop}{2017/11/20}{%
292        % later than 2017/11/19 v1.10 might be OK
293        \pagecolor@warning{%
294          \string\nopagecolor\ did not work with package \\%
295          crop 2017/11/19 v1.10. A newer version is used, %
296          which the pagecolor package does not know how to handle. %
297          Please contact the maintainer of the pagecolor package!%
298          }%
299        % Let us just hope everything got fixed:
300        \renewcommand{\nopagecolor}{%
301          \xdef\thepagecolor{white}%
302          \xdef\thepagecolornone{none}%
303          \orignopagecolor%
304          % That will not have any effect except when things got fixed!
305          }%
306      }{% else: older package version
307        \pagecolor@warning{pagecolor}{%
308          \string\nopagecolor\space does not work with %
309          the used crop package. Using \\%
310          \pagecolor@nopagecolor\ \\%
311          as nopagecolor now.%
312          }%
313        \def\pagecolortmpb{none}%
314        \edef\pagecolortmpa{\pagecolor@nopagecolor}%
315        \ifx\pagecolortmpa\pagecolortmpb%
316          \pagecolor@warning{%
317            Option nopagecolor=none requested %
318            but this does not work with the crop package. %
319            By option nopagecolor the "color" to be used with %
320            \string\nopagecolor\ is set. The current value is "none" %
321            (maybe by default), but the crop package broke %
322            \string\nopagecolor . Therefore the color cannot be "none". %
323            Please change the option accordingly! \\%
324            As first aid nopagecolor is now set to white.%
325            }%
326          \setkeys{pagecolor}{nopagecolor=white}%
327        \fi%
328        \renewcommand{\nopagecolor}{\pagecolor{\pagecolor@nopagecolor}}%
329        }%
330      }{% crop neither loaded afterwards.
331        }%
332    \fi%
333  }
334
335 ⟨/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 2_ε 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 2_ε (i.e. each document using the pagecolor package) requires:

- TEX Format LaTeX 2_ε 2021-11-15 or newer, https://www.CTAN.org

- package hardwrap, 2011/02/12, v0.2, https://www.ctan.org/pkg/hardwrap

- package kvoptions, 2020-10-07, v3.14, https://www.ctan.org/pkg/kvoptions

and either

- package xcolor, 2021/10/31, v2.13, https://www.ctan.org/pkg/xcolor

or

- package color, 2021/12/07, v1.3c, 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, 2022-11-20, v1.1a, 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, 2021/10/04, v1.4n, from classes:
   https://www.ctan.org/pkg/classes

- package xcolor, 2021/10/31, v2.13, https://www.ctan.org/pkg/xcolor
   This package would not be needed for the use of just base colors 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{somecolor}\afterpage{\restorepagecolor}` construct.

- package lipsum, 2021-09-20, v2.7, https://www.ctan.org/pkg/lipsum
   This package is only needed for some blind text.

Alternatives transparent OCG   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

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Oberdiek	All packages of the 'oberdiek' bundle (especially holtxdoc and kvoptions) are
holtxdoc	also available in a TDS compliant ZIP archive:
kvoptions	https://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, https://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.

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

https://mirror.ctan.org/macros/latex/contrib/pagecolor/pagecolor.pdf
    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 `.sty`le 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/g/comp.text.tex/c/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, 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 \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: Checking 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!
- This version has been archived at
  https://web.archive.org/web/20161114093809/https://mirror.ctan.org/install/macros/latex/contrib/pagecolor.tds.zip

[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]

- Conversion to UTF-8.

- Update to LATEX format 2021-11-15.

- Corrected an error in the example.

- X∃LATEX and others now do know \nopagecolor.

- Package crop has been updated, but \nopagecolor still applies to the physical background sheet instead of the logical foreground area.

- Now using the hardwrap package.

- 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.)

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.