

The `pagecolor` package

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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. \XeTeX) 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 CO₂ and 2 g wood:
Therefore please print only if this is really necessary.

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1 Introduction

This L^AT_EX 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. X_YL^AT_EX) 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 L^AT_EX 2_ε 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. X_YL^AT_EX) 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. 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>.
- 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

```
1 (*example)
2 \documentclass[british]{article}[2014/09/29]% v1.4h
3 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
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 colour,%
14    H.-Martin Muench},%
15  pdfview=Fit,pdfstartview=Fit,%
16  pdfpagelayout=SinglePage%
17 ]{hyperref}[2012/11/06]% v6.83m
18 \usepackage[x11names]{xcolor}[2007/01/21]% v2.11
19 % The xcolor package would not be needed for just using
20 % the base colours. The color package would be sufficient for that.
21 \usepackage[pagecolor={LightGoldenrod1},%
22   nopagecolor={none}]{pagecolor}[2015/06/22]% v1.0g
23
24 \usepackage{afterpage}[2014/10/28]% v1.08
25 % The afterpage package is generally not needed,
26 % but the |\newpagecolor{somecolour}\afterpage{\restorepagecolor}|
27 % construct shall be demonstrated.
28
29 \usepackage{lipsum}[2014/07/27]% v1.3
30 % The lipsum package is generally not needed,
31 % but some blind text is needed for the example.
32
33 \usepackage{hologo}[2012/04/26]% v1.10
34 % The hologo package is only needed to write
35 % \hologo{pdfTeX}, \hologo{LuaTeX}, and \hologo{XeTeX}.
36
37 \gdef\unit#1{\mathord{\thinspace\mathrm{#1}}}%
38 \listfiles
39 \begin{document}
40 \pagenumbering{arabic}
41 \section*{Example for pagecolor}
42
43 This example demonstrates the use of package\newline
44 \textsf{pagecolor}, v1.0g as of 2015/06/22 (HMM).\newline
45 The used options were\newline
46 \verb|pagecolor={LightGoldenrod1}| (\verb|pagecolor={none}|
47 would be the default), and
48 \verb|pagecolor={none}| (which is the default).\newline
49
50 \noindent For more details please see the documentation!\newline
51
52 \noindent {\color{teal} Save per page about $200\unit{ml}$ water,
53 $2\unit{g}$ CO$_2$ and $2\unit{g}$ wood:\newline
54 Therefore please print only if this is really necessary.}\newline
55
```

```

56 \noindent The current page (background) colour is\newline
57 \verb|\thepagecolor|\ =\ \thepagecolor \newline
58 (and \verb|\thepagecolornone|\ =\ \thepagecolornone ,
59 which would only be different from \verb|\thepagecolor|,
60 when the page colour would be \verb|none|).
61
62 \pagebreak
63 \pagecolor{rgb:-green!40!yellow,3;green!40!yellow,2;red,1}
64
65 {\color{white} The current page (background) colour is\newline
66 \verb|\thepagecolor|\ =\ \thepagecolor . \newline}
67
68 {\color{\thepagecolor} And that makes this text practically invisible.
69 \newline}
70
71 {\color{white} Which made the preceding line of text practically
72 invisible.}
73
74 \pagebreak
75 \newpagecolor{red}
76
77 This page uses \verb|\newpagecolor{red}|.
78
79 \pagebreak
80 \restorepagecolor
81
82 {\color{white}And this page uses \verb|\restorepagecolor| to restore
83 the page colour to the value it had before the red page.}
84
85 \pagebreak
86 \pagecolor{none}
87
88 This page uses \verb|\pagecolor{none}|. If the \verb|\nopagecolor|
89 command is known (\hologo{pdfTeX} and \hologo{LuaTeX}; not yet for
90 dvips, dvipdfm(x) or \hologo{XeTeX}), the page colour is now
91 \verb|none| (because option \verb|\nopagecolor={none}|), otherwise
92 \verb|white| (or the colour given with option \verb|\nopagecolor={...}|):
93 \verb|\thepagecolor|\ =\ \thepagecolor\ and
94 \verb|\thepagecolornone|\ =\ \thepagecolornone .
95
96 \pagebreak
97 \restorepagecolor
98
99 {\color{white}\verb|\restorepagecolor| restored the page colour again.}
100
101 \pagebreak
102 \pagecolor{green}
103
104 This page is green due to \verb|\pagecolor{green}|.
105
106 \pagebreak
107 \newpagecolor{blue}\afterpage{\restorepagecolor}
108
109 {\color{white}\verb|\newpagecolor{blue}\afterpage{\restorepagecolor}|}%
110 \newline
111 was used here, i.\,e.~this page is blue, and the next one will
112 automatically have the same page colour before it was changed to blue
113 here (i.\,e. green).}

```

```
114
115 \smallskip
116 {\color{red}\textbf{\lipsum[1-11]}}
117 \bigskip
118
119 The page colour was changed back at the end of the page -
120 in mid-sentence!
121
122 \end{document}
123 \end{example}
```

5 The implementation

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

```
124 (*package)
125 \NeedsTeXFormat{LaTeX2e}[2014/05/01]
126 \ProvidesPackage{pagecolor}[2015/06/20 v1.0g
127         Provides thepagecolor (HMM)]
```

A short description of the pagecolor package:

```
128 %% Provides the \thepagecolor, \thepagecolornone, \newpagecolor{...},
129 %% and \restorepagecolor commands and the a replacement for the
130 %% \nopagecolor command, if it is not available.
```

We need the kvoptions package by HEIKO OBERDIEK:

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

and either the color or the xcolor package:

```
132 %% \RequirePackage{ either color or xcolor }:
133 \@ifpackageloaded{xcolor}{% xcolor loaded
134     \@ifpackagelater{xcolor}{2007/01/21}{%
135         % 2007/01/21, v2.11, or even more recent: OK
136     }{% else: older package version
137         \PackageWarning{pagecolor}{%
138             It is requested version '2007/01/21' of package\MessageBreak%
139             xcolor, but only an older version is available\MessageBreak%
140         }%
141     }%
142 }{% xcolor not loaded
143     \@ifpackageloaded{color}{%
144         \RequirePackage{color}[2014/10/28]% v1.1a
145     }{% \else
146         \PackageWarning{pagecolor}{%
147             The pagecolor package must be loaded after either\MessageBreak%
148             package color or after package xcolor (at your\MessageBreak%
149             option). Neither package was loaded before package\MessageBreak%
150             pagecolor. Loading of package xcolor will now be\MessageBreak%
151             tried automatically.\MessageBreak%
152             When the pagecolor package is used with option\MessageBreak%
153             pagecolor using a colour requiring e. g. x11names\MessageBreak%
154             option for xcolor package, this will not work!\MessageBreak%
155         }
156     }% \fi
157     \RequirePackage{xcolor}[2007/01/21]% v2.11
158 }% \fi
```

as well as the ifpdf and the ifluatex package, because only pdf_TE_X and Lua_TE_X provide the \nopagecolor command:

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

A last information for the user:

```
161 %% pagecolor may work with earlier versions of LaTeX and the
162 %% packages, but this was not tested. Please consider updating
163 %% your LaTeX and packages to the most recent version
164 %% (if they are not already the most recent version).
165
```


See subsection 6.1 about how to get them.

We process the options:

```

166 \SetupKeyvalOptions{family=pagecolor,prefix=pagecolor@}
167 \DeclareStringOption[none]{pagecolor}% \pagecolor@pagecolor
168 \DeclareStringOption[none]{nopagecolor}% \pagecolor@nopagecolor
169 \ProcessKeyvalOptions*
170
\nopagecolor
171 %% \nopagecolor is only available for pdf(La)TeX and Lua(La)TeX
172 %% 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.
173 \def\pagecolourtmpa{0}
174 \ifluatex\def\pagecolourtmpa{1}\fi
175 \ifpdf\def\pagecolourtmpa{1}\fi
176 \def\pagecolourtmpb{1}
177 \ifx\pagecolourtmpa\pagecolourtmpb\relax%
178 \else%
179   \PackageInfo{pagecolor}{\string\nopagecolor\space is undefined}%
180   \def\pagecolourtmpb{none}%
181   \edef\pagecolourtmpa{\pagecolor@nopagecolor}%
182   \ifx\pagecolourtmpa\pagecolourtmpb%
183     \PackageWarning{pagecolor}{%
184       Option nopagecolor=none requested but \string\nopagecolor\space%
185       unknown:\MessageBreak%
186       By option nopagecolor the "colour" to be used with%
187       \string\nopagecolor\space\MessageBreak%
188       is set. The current value is "none" (maybe by default),\MessageBreak%
189       but command \string\nopagecolor\space is undefined.\MessageBreak%
190       Therefore the colour cannot be "none".\MessageBreak%
191       Please change the option accordingly!\MessageBreak%
192       As first aid nopagecolor is now set to white\MessageBreak%
193     }%
194     \setkeys{pagecolor}{nopagecolor=white}%
195   \fi%
196   \edef\pagecolourtmpa{\pagecolor@pagecolor}%
197   \ifx\pagecolourtmpa\pagecolourtmpb%
198     \PackageWarning{pagecolor}{%
199       Option pagecolor=none (maybe by default) used,\MessageBreak%
200       but \string\nopagecolor\space is unknown.\MessageBreak%
201       Please use anotheroption value;\MessageBreak%
202       \pagecolor@nopagecolor\space\MessageBreak%
203       will be used now\MessageBreak%
204     }%
205     \setkeys{pagecolor}{pagecolor={\pagecolor@nopagecolor}}%
206   \fi%
207   \@ifundefined{nopagecolor}{%
208     \newcommand{\nopagecolor}{\pagecolor{\pagecolor@nopagecolor}}%
209   }{\renewcommand{\nopagecolor}{\pagecolor{\pagecolor@nopagecolor}}}%
210 }%
211 \fi%
212
213

```

`\pagecolor` We save the original `\pagecolor` command,

```

214 \let\origpagecolour\pagecolor
215
    before we redefine it to include a definition of \thepagecolor and
    \thepagecolornone:
216 \renewcommand{\pagecolor}[1]{\@bsphack%
217   \edef\pagecolourtmpa{#1}%
218   \def\pagecolourtmpb{none}%
219   \ifx\pagecolourtmpa\pagecolourtmpb\relax%
220     \@ifundefined{nopagecolor}{%
221       \PackageWarning{pagecolor}{%
222         pagecolor=none requested but \string\nopagecolor\space%
223         unknown:\MessageBreak%
224         \string\pagecolor{none} was used, but the command\MessageBreak%
225         \string\nopagecolor\space is undefined.\MessageBreak%
226         Please use another colour.\MessageBreak%
227         pagecolor=\pagecolor@nopagecolor \MessageBreak%
228         will be used now\MessageBreak%
229       }%
230       \xdef\thepagecolor{\pagecolor@nopagecolor}%
231       \xdef\thepagecolornone{\pagecolor@nopagecolor}%
232         % although it should be "none"
233       \origpagecolour{\pagecolor@nopagecolor}%
234     }{%
235       \nopagecolor%
236     }%
237   \else%
238     \xdef\thepagecolor{#1}%
239     \xdef\thepagecolornone{#1}%
240     \origpagecolour{\thepagecolornone}%
241   \fi%
242   \@esphack%
243 }
244

```

`\nopagecolor` is only defined for pdfTeX and LuaTeX, but not for dvips, dvipdfm(x) or X_YTeX. (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:

```

245
246 \AtBeginDocument{%
247   \let\orignopagecolour\nopagecolor\relax%
248   \@ifpackageloaded{crop}{% crop loaded
249     \@ifpackagelater{crop}{2003/05/21}{%
250       % later than 2003/05/20 v1.9 might be OK
251       \PackageWarning{pagecolor}{%
252         \string\nopagecolor\space did not work with package\MessageBreak%
253         crop 2003/05/20 v1.9. A newer version is used, \MessageBreak%
254         which the pagecolor package does not know how to handle.\MessageBreak%
255         Please contact the maintainer of the pagecolor package!\MessageBreak%
256       }%
257       % Let us just hope everything got fixed:
258       \renewcommand{\nopagecolor}{%
259         \xdef\thepagecolor{white}%
260         \xdef\thepagecolornone{none}%

```

```

261     \orignopagecolour%
262     % That will not have any effect except when things got fixed!
263 }%
264 }{% else: older package version
265   \PackageWarning{pagecolor}{%
266     \string\nopagecolor\space does not work with\MessageBreak%
267     the used crop package. Using\MessageBreak%
268     \pagecolor@nopagecolor\MessageBreak%
269     as nopagecolor now\MessageBreak%
270   }%
271   \def\pagecolourtmpb{none}%
272   \edef\pagecolourtmpa{\pagecolor@nopagecolor}%
273   \ifx\pagecolourtmpa\pagecolourtmpb%
274     \PackageWarning{pagecolor}{%
275       Option nopagecolor=none requested \MessageBreak%
276       but this does not work with the crop package.\MessageBreak%
277       By option nopagecolor the "colour" to be used with %
278       \string\nopagecolor\MessageBreak%
279       is set. The current value is "none" (maybe by default),%
280       \MessageBreak%
281       but the crop package broke \string\nopagecolor.\MessageBreak%
282       Therefore the colour cannot be "none".\MessageBreak%
283       Please change the option accordingly!\MessageBreak%
284       As first aid nopagecolor is now set to white\MessageBreak%
285     }%
286     \setkeys{pagecolor}{nopagecolor=white}%
287   \fi%
288   \renewcommand{\nopagecolor}{\pagecolor{\pagecolor@nopagecolor}}%
289 }%
290 }{% crop not loaded
291   \def\pagecolourtmpa{0}
292   \ifluatex\def\pagecolourtmpa{1}\fi
293   \ifpdf\def\pagecolourtmpa{1}\fi
294   \def\pagecolourtmpb{1}
295   \ifx\pagecolourtmpa\pagecolourtmpb\relax%
296     \def\pagecolourtmpa{none}%
297   \else%
298     \def\pagecolourtmpa{\pagecolor@nopagecolor}%
299   \fi%
300   \renewcommand{\nopagecolor}{%
301     \xdef\thepagecolor{white}%
302     \xdef\thepagecolornone{\pagecolourtmpa}%
303     \orignopagecolour%
304   }%
305 }%
306 }
307
308

```

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

```

309 \pagecolor{\pagecolor@pagecolor}
310

```

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):

```
311 \newcommand{\newpagecolor}[1]{%
312 \xdef\pagecolourtmpc{\thepagecolornone}%
313 \pagecolor{#1}%
314 }
315
```

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

`\restorepagecolor`

```
316 \newcommand{\restorepagecolor}{\pagecolor{\pagecolourtmpc}}
317
```

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

```
318 \gdef\pagecolourtmpc{\thepagecolor}
319
```

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).

```
320 </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:

- T_EXFormat L^AT_EX 2_ε: <https://www.CTAN.org>
- document class ltxdoc, 2014/09/29, v2.0u, <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 L^AT_EX 2_ε (i.e. each document using the `pagecolor` package) requires:

- T_EX Format L^AT_EX 2_ε, <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`, 2015/06/22, v1.0g, <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 pdfT_EX, LuaT_EX, and X_YT_EX.

Alternatives	As possible alternatives in section 3, Alternatives, there are listed (newer versions might be available):
transparent	
hrefhide	<ul style="list-style-type: none"> - package transparent, 2007/01/08, v1.0, https://www.ctan.org/pkg/transparent - package hrefhide, 2011/04/29, v1.0g, https://www.ctan.org/pkg/hrefhide
Oberdiek	All packages of HEIKO OBERDIEK’S bundle ‘oberdiek’ (especially hologo, holtxdoc, and kvoptions) are also available in a TDS compliant ZIP archive:
hologo	http://mirrors.ctan.org/install/macros/latex/contrib/oberdiek.tds.zip .
holtxdoc	It is probably best to download and use this, because the packages in there are quite probably both recent and compatible among themselves.
kvoptions	
hyperref	hyperref is not included in that bundle and needs to be downloaded separately, http://mirrors.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://mirrors.ctan.org/macros/latex/contrib/pagecolor/pagecolor.dtx>
The source file.

<http://mirrors.ctan.org/macros/latex/contrib/pagecolor/pagecolor.pdf>
The documentation.

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

<http://mirrors.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

<code>pagecolor.ins</code>	The installation file.
<code>pagecolor.drv</code>	The driver to generate the documentation.
<code>pagecolor.sty</code>	The <code>.style</code> file.
<code>pagecolor-example.tex</code>	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, mik\TeX , te\TeX , ...) relies on file name databases, you must refresh these. For example, te\TeX 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 `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 T_EX, 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.

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.

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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