The **beamercolorthemecatppuccin** package

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https://github.com/atticus-sullivan/beamercolorthemecatppuccin

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Abstract

The LaTeX package beamercolorthemecatppuccinPalette brings the catppuccin theme to beamer.

1 Introduction

Catppuccin[1] is a nice pastel theme in 4 flavours/styles (*Latte*, *Frappé*, *Macchiato*, *Mocha*). This package makes use of the `catppuccinPalette`[2] package to bring these color themes to beamer.

2 Usage

Just load the color theme with `\usecolortheme{Catppuccin}` and use beamer just like usually.

Note that this package also defines that `\emph` uses the (fg) beamer color `structure`.

As this package loads the `catppuccinPalette` package, we provide the `paletteOpts` package option which is passed to that package (to avoid option clashes).

This package also allows you to set a specific style which sets style of the color scheme being used via the package option `style`.

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[1] https://github.com/catppuccin/catppuccin
[2] https://ctan.org/pkg/catppuccinpalette

2.1 Package options

Option	Description
style	set the style of the color scheme being used for beamer. Possible values: Latte (default+initial), latte, Frappe, frappe, Mocha, mocha
paletteOpts	pass options to the catppuccinPalette package when loading it
accent	allows setting the accent color being used. Must be the name of a valid color from the catppuccinpalette (like Sky)
blacktext / whitetext	sets the color of normal text to completely white / black in order to increase the contrast.

3 Implementation

```
1  \@ifclassloaded{beamer}{
2  \mode<presentation>
3  \newif\ifbeamer@catppuccintheme@blacktext
4  \newif\ifbeamer@catppuccintheme@whitetext
5  \newif\ifbeamer@catppuccintheme@whitebg
6  \DeclareOptionBeamer{style}{\def\beamer@catppuccintheme@style{#1}}
7  \DeclareOptionBeamer{accent}{\def\beamer@catppuccintheme@accent{#1}}
8  \DeclareOptionBeamer{blacktext}{\csname beamer@catppuccintheme@blacktext#1\endcsname}
9  \DeclareOptionBeamer{whitebg}{\csname beamer@catppuccintheme@whitebg#1\endcsname}
10 \DeclareOptionBeamer{whitetext}{\csname beamer@catppuccintheme@whitetext#1\endcsname}
11 \DeclareOptionBeamer{paletteOpts}{\def\beamer@catppuccintheme@paletteOpts{#1}}
12 \ExecuteOptionsBeamer{style=Latte,paletteOpts=,accent=Green,blacktext=false,whitetext=false,w
13 \ProcessOptionsBeamer
14 %
15 \RequirePackage[\beamer@catppuccintheme@paletteOpts]{catppuccinpalette}
16 \setbeamercolor*{structure}{
17   bg=Ctp\beamer@catppuccintheme@style\beamer@catppuccintheme@accent !20,
18   fg=Ctp\beamer@catppuccintheme@style\beamer@catppuccintheme@accent
19 }
20 \ifbeamer@catppuccintheme@whitebg
21 \def\beamer@catppuccintheme@bgcol{white}
22 \else
23 \def\beamer@catppuccintheme@bgcol{Ctp\beamer@catppuccintheme@style Base}
24 \fi
25 \ifbeamer@catppuccintheme@blacktext
26 \setbeamercolor*{normal text}{
27   bg=\beamer@catppuccintheme@bgcol,
28   fg=black
29 }
30 \setbeamercolor*{section in toc}{
31   fg=black,
32   bg=\beamer@catppuccintheme@bgcol
33 }
34 \else\ifbeamer@catppuccintheme@whitetext
35 \setbeamercolor*{normal text}{
36   bg=\beamer@catppuccintheme@bgcol,
```

```latex
37   fg=white
38 }
39 \setbeamercolor*{section in toc}{
40   fg=white,
41   bg=\beamer@catppuccintheme@bgcol
42 }
43 \else
44 \setbeamercolor*{normal text}{
45   bg=\beamer@catppuccintheme@bgcol,
46   fg=Ctp\beamer@catppuccintheme@style Text
47 }
48 \setbeamercolor*{section in toc}{
49   fg=Ctp\beamer@catppuccintheme@style Text,
50   bg=\beamer@catppuccintheme@bgcol
51 }
52 \fi\fi
53 \setbeamercolor*{alerted text}{
54   use=structure,
55   fg=structure.fg!80!gray
56 }
57 \setbeamercolor*{palette primary}{
58   use=structure,
59   fg=structure.fg!60!Ctp\beamer@catppuccintheme@style Text,
60   bg=Ctp\beamer@catppuccintheme@style Surface2
61 }
62 \setbeamercolor*{palette secondary}{
63   use=structure,
64   fg=structure.fg!70!Ctp\beamer@catppuccintheme@style Text,
65   bg=Ctp\beamer@catppuccintheme@style Surface1
66 }
67 \setbeamercolor*{palette tertiary}{
68   use=structure,
69   bg=structure.fg!80!Ctp\beamer@catppuccintheme@style Text,
70   fg=Ctp\beamer@catppuccintheme@style Surface0
71 }
72 \setbeamercolor*{palette quaternary}{
73   use=structure,
74   fg=structure.fg,
75   bg=Ctp\beamer@catppuccintheme@style Mantle
76 }
77 \setbeamercolor*{sidebar}{
78   use=structure,
79   fg=structure.fg,
80   bg=Ctp\beamer@catppuccintheme@style Crust
81 }
82 \setbeamercolor*{palette sidebar primary}{
83   use=structure,
84   fg=structure.fg!10!Ctp\beamer@catppuccintheme@style Text
85 }
86 \setbeamercolor*{palette sidebar secondary}{
87   use=structure,
88   fg=structure.fg!20!Ctp\beamer@catppuccintheme@style Text
89 }
90 \setbeamercolor*{palette sidebar tertiary}{
```

```
 91    use=structure,
 92    fg=structure.fg!30!Ctp\beamer@catppuccintheme@style Text
 93 }
 94 \setbeamercolor*{palette sidebar quaternary}{
 95    use=structure,
 96    fg=structure.fg!40!Ctp\beamer@catppuccintheme@style Text
 97 }
 98 \setbeamercolor*{titlelike}{
 99    bg=Ctp\beamer@catppuccintheme@style Base,
100    fg=Ctp\beamer@catppuccintheme@style\beamer@catppuccintheme@accent
101 }
102 \setbeamercolor*{frametitle}{
103    bg=gray!10!Ctp\beamer@catppuccintheme@style Base
104 }
105 \setbeamercolor*{frametitle right}{
106    bg=gray!60!Ctp\beamer@catppuccintheme@style Base
107 }
108 \setbeamercolor*{separation line}{}
109 \setbeamercolor*{fine separation line}{}
```

from orchid

```
110 \setbeamercolor{block title}{
111    use=structure,
112    fg=Ctp\beamer@catppuccintheme@style Base,
113    bg=structure.fg!75!Ctp\beamer@catppuccintheme@style Text
114 }
115 \setbeamercolor{block title alerted}{
116    use=alerted text,
117    fg=Ctp\beamer@catppuccintheme@style Base,
118    bg=alerted text.fg!75!Ctp\beamer@catppuccintheme@style Text
119 }
120 \setbeamercolor{block title example}{
121    use=example text,
122    fg=Ctp\beamer@catppuccintheme@style Base,
123    bg=example text.fg!75!Ctp\beamer@catppuccintheme@style Text
124 }
125 \setbeamercolor{block body}{
126    parent=normal text,
127    use=block title,
128    bg=block title.bg!10!bg
129 }
130 \setbeamercolor{block body alerted}{
131    parent=normal text,
132    use=block title alerted,
133    bg=block title alerted.bg!10!bg
134 }
135 \setbeamercolor{block body example}{
136    parent=normal text,
137    use=block title example,
138    bg=block title example.bg!10!bg
139 }
```

\emph Redefine emph to use the color defined in beamer

```
140 \renewcommand{\emph}[1]{{\usebeamercolor[fg]{structure}#1}}
```

close if beamer loaded

```
141 \mode<all>
142 }
```

Change History

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; numbers in roman refer to the code lines where the entry is used.