

The catppuccinPalette package

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<https://github.com/atticus-sullivan/catppuccinPalette>

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Abstract

The LaTeX package `catppuccinPalette` provides new colors for `xcolor`.

1 Introduction

Catppuccin¹ is a nice pastel theme in 4 flavours/styles (*Latte*, *Frappé*, *Macchiato*, *Mocha*). This package defines these themes as `xcolor` colors.

2 Usage

Just use the new colors (prefixed with `Cat<Style>`) like normal `xcolor`s. In addition to the usual colors of the palette, this package defines some colors according to the style guide² for ease of use.

This package also allows you to set a specific style which sets the shortened color names (prefixed only with `Cat`) to the selected style (allows for easy switching style) via the package option `style`.

This package loads `xcolor` (without options) so if you want to set some `xcolor` options you should load `xcolor` before loading this package.

2.1 Package options




























<i>Option</i>	<i>Description</i>
<code>style</code>	set the style used by the shortened prefix (<code>Cat</code>). Possible values: <code>Latte</code> (default+initial), <code>latte</code> , <code>Frappé</code> , <code>frappe</code> , <code>Mocha</code> , <code>mocha</code>
<code>textcolor</code>	set the default textcolor of the document to <code>CatText</code> . Possible values: <code>false</code> (default+initial), <code>true</code>
<code>pagecolor</code>	set the pagecolor of the document to <code>CatBackground</code> . Possible values: <code>false</code> (default+initial), <code>true</code>
<code>styleAll</code>	shortcut for setting <code>pagecolor</code> and <code>textcolor</code>

2.2 Colors

2.2.1 Style Latte

¹<https://github.com/catppuccin/catppuccin>




























²<https://github.com/catppuccin/catppuccin/blob/main/docs/style-guide.md>

	CatLatteBlue		CatLatteLavender
	CatLatteRosewater		CatLatteText
	CatLatteFlamingo		CatLatteSubtext1
	CatLattePink		CatLatteSubtext0
	CatLatteMauve		CatLatteOverlay2
	CatLatteRed		CatLatteOverlay1
	CatLatteMaroon		CatLatteOverlay0
	CatLattePeach		CatLatteSurface2
	CatLatteYellow		CatLatteSurface1
	CatLatteGreen		CatLatteSurface0
	CatLatteTeal		CatLatteBase
	CatLatteSky		CatLatteMantle
	CatLatteSapphire		CatLatteCrust
	CatLatteBlue		

Some basic colors according to the style guide:

	CatLatteBackground		CatLatteSuccess
	CatLatteLink		CatLatteWarning
			CatLatteError


2.2.2 Style Frappe






















	CatLatteBlue		CatLatteLavender
	CatLatteRosewater		CatLatteText
	CatLatteFlamingo		CatLatteSubtext1
	CatLattePink		CatLatteSubtext0
	CatLatteMauve		CatLatteOverlay2
	CatLatteRed		CatLatteOverlay1
	CatLatteMaroon		CatLatteOverlay0
	CatLattePeach		CatLatteSurface2
	CatLatteYellow		CatLatteSurface1
	CatLatteGreen		CatLatteSurface0
	CatLatteTeal		CatLatteBase
	CatLatteSky		CatLatteMantle
	CatLatteSapphire		CatLatteCrust
	CatLatteBlue		

Some basic colors according to the style guide:






	CatFrappeBackground		CatFrappeSuccess
	CatFrappeLink		CatFrappeWarning
			CatFrappeError

2.2.3 Style Macchiato




























	CatLatteBlue		CatLattePink
	CatLatteRosewater		CatLatteMauve
	CatLatteFlamingo		CatLatteRed

	CatLatteMaroon		CatLatteSubtext0
	CatLattePeach		CatLatteOverlay2
	CatLatteYellow		CatLatteOverlay1
	CatLatteGreen		CatLatteOverlay0
	CatLatteTeal		CatLatteSurface2
	CatLatteSky		CatLatteSurface1
	CatLatteSapphire		CatLatteSurface0
	CatLatteBlue		CatLatteBase
	CatLatteLavender		CatLatteMantle
	CatLatteText		CatLatteCrust
	CatLatteSubtext1		

Some basic colors according to the style guide:

	CatMacchiatoBackground		CatMacchiatoSuccess
	CatMacchiatoLink		CatMacchiatoWarning
			CatMacchiatoError

2.2.4 Style Mocha

	CatLatteBlue		CatLatteLavender
	CatLatteRosewater		CatLatteText
	CatLatteFlamingo		CatLatteSubtext1
	CatLattePink		CatLatteSubtext0
	CatLatteMauve		CatLatteOverlay2
	CatLatteRed		CatLatteOverlay1
	CatLatteMaroon		CatLatteOverlay0
	CatLattePeach		CatLatteSurface2
	CatLatteYellow		CatLatteSurface1
	CatLatteGreen		CatLatteSurface0
	CatLatteTeal		CatLatteBase
	CatLatteSky		CatLatteMantle
	CatLatteSapphire		CatLatteCrust
	CatLatteBlue		

Some basic colors according to the style guide:

	CatMochaBackground		CatMochaSuccess
	CatMochaLink		CatMochaWarning
			CatMochaError

3 Implementation

```

1 \NeedsTeXFormat{LaTeX2e}[1994/06/01]
2 \ProvidesPackage{catppuccinPalette}[2024/02/09 v0.0.1 catppuccin xcolor palette]
3 \RequirePackage{pgfplots}
4 \RequirePackage{xcolor}

```

Define the conditionals used by package options

```

5 \newif\if@catppuccinpalette@pagecolor

```

```

6 \newif\if@catppuccinpalette@textcolor
7 \pgfkeys{
8   /catppuccinPalette/.cd,

```

Define the package option keys

```

9   style/.is choice,
10  style/.value required,
11  style/Latte/.code = {\def\@catppuccinpalette@style{Latte}},
12  style/latte/.forward to = /catppuccinPalette/style/Latte,
13  style/Frappe/.code = {\def\@catppuccinpalette@style{Frappe}},
14  style/frappe/.forward to = /catppuccinPalette/style/frappe,
15  style/Macchiato/.code = {\def\@catppuccinpalette@style{Macchiato}},
16  style/macchiato/.forward to = /catppuccinPalette/style/Macchiato,
17  style/Mocha/.code = {\def\@catppuccinpalette@style{Mocha}},
18  style/mocha/.forward to = /catppuccinPalette/style/Mocha,
19  textcolor/.is if = @catppuccinpalette@textcolor,
20  textcolor/.default = true,
21  pagecolor/.is if = @catppuccinpalette@pagecolor,
22  pagecolor/.default = true,
23  styleAll/.style = {pagecolor,textcolor},

```

Set initial values for all options

```

24  textcolor = false,
25  pagecolor = false,
26  style = Latte,
27 }
28 \ProcessPgfoptions*

```

Define the *Latte* colorset

```

29 \preparecolorset{RGB/HTML}{CatLatte}{-}{%
30   Rosewater,220,138,120/DC8A78;%
31   Flamingo,221,120,120/DD7878;%
32   Pink,234,118,203/EA76CB;%
33   Mauve,136,57,239/8839EF;%
34   Red,210,15,57/D20F39;%
35   Maroon,230,69,83/E64553;%
36   Peach,254,100,11/FE640B;%
37   Yellow,223,142,29/DF8E1D;%
38   Green,64,160,43/40A02B;%
39   Teal,23,146,153/179299;%
40   Sky,4,165,229/04A5E5;%
41   Sapphire,32,159,181/209FB5;%
42   Blue,30,102,245/1E66F5;%
43   Lavender,114,135,253/7287FD;%
44   Text,76,79,105/4C4F69;%
45   Subtext1,92,95,119/5C5F77;%
46   Subtext0,108,111,133/6C6F85;%
47   Overlay2,124,127,147/7C7F93;%
48   Overlay1,140,143,161/8C8FA1;%
49   Overlay0,156,160,176/9CA0B0;%
50   Surface2,172,176,190/ACB0BE;%
51   Surface1,188,192,204/BCC0CC;%
52   Surface0,204,208,218/CCD0DA;%
53   Base,239,241,245/EFF1F5;%
54   Mantle,230,233,239/E6E9EF;%
55   Crust,220,224,232/DCE0E8%

```

```

56 }
Define colors according to the catppuccin style guide
57 \colorlet{CatLatteBackground}{CatLatteBase}
58 \colorlet{CatLatteLink}{CatLatteBlue}
59 \colorlet{CatLatteSuccess}{CatLatteGreen}
60 \colorlet{CatLatteWarning}{CatLatteYellow}
61 \colorlet{CatLatteError}{CatLatteRed}
Define the styles Frappe, Macchiato and Mocha accordingly
62 \preparecolorset{RGB/HTML}{CatFrappe}{-}{%
63   Rosewater,242,213,207/F2D5CF;%
64   Flamingo,238,190,190/EEBEBE;%
65   Pink,244,184,228/F4B8E4;%
66   Mauve,202,158,230/CA9EE6;%
67   Red,231,130,132/E78284;%
68   Maroon,234,153,156/EA999C;%
69   Peach,239,159,118/EF9F76;%
70   Yellow,229,200,144/E5C890;%
71   Green,166,209,137/A6D189;%
72   Teal,129,200,190/81C8BE;%
73   Sky,153,209,219/99D1DB;%
74   Sapphire,133,193,220/85C1DC;%
75   Blue,140,170,238/8CAAEE;%
76   Lavender,186,187,241/BABBF1;%
77   Text,198,208,245/C6D0F5;%
78   Subtext1,181,191,226/B5BFE2;%
79   Subtext0,165,173,206/A5ADCE;%
80   Overlay2,148,156,187/949CBB;%
81   Overlay1,131,139,167/838BA7;%
82   Overlay0,115,121,148/737994;%
83   Surface2,98,104,128/626880;%
84   Surface1,81,87,109/51576D;%
85   Surface0,65,69,89/414559;%
86   Base,48,52,70/303446;%
87   Mantle,41,44,60/292C3C;%
88   Crust,35,38,52/232634%
89 }
90 \colorlet{CatFrappeBackground}{CatFrappeBase}
91 \colorlet{CatFrappeLink}{CatFrappeBlue}
92 \colorlet{CatFrappeSuccess}{CatFrappeGreen}
93 \colorlet{CatFrappeWarning}{CatFrappeYellow}
94 \colorlet{CatFrappeError}{CatFrappeRed}
95 \preparecolorset{RGB/HTML}{CatMacchiato}{-}{%
96   Rosewater,244,219,214/F4DBD6;%
97   Flamingo,240,198,198/FOC6C6;%
98   Pink,245,189,230/F5BDE6;%
99   Mauve,198,160,246/C6A0F6;%
100  Red,237,135,150/ED8796;%
101  Maroon,238,153,160/EE99A0;%
102  Peach,245,169,127/F5A97F;%
103  Yellow,238,212,159/EED49F;%
104  Green,166,218,149/A6DA95;%
105  Teal,139,213,202/8BD5CA;%
106  Sky,145,215,227/91D7E3;%

```

```

107 Sapphire,125,196,228/7DC4E4;%
108 Blue,138,173,244/8AADF4;%
109 Lavender,183,189,248/B7BDF8;%
110 Text,202,211,245/CAD3F5;%
111 Subtext1,184,192,224/B8COE0;%
112 Subtext0,165,173,203/A5ADCB;%
113 Overlay2,147,154,183/939AB7;%
114 Overlay1,128,135,162/8087A2;%
115 Overlay0,110,115,141/6E738D;%
116 Surface2,91,96,120/5B6078;%
117 Surface1,73,77,100/494D64;%
118 Surface0,54,58,79/363A4F;%
119 Base,36,39,58/24273A;%
120 Mantle,30,32,48/1E2030;%
121 Crust,24,25,38/181926%
122 }
123 \colorlet{CatMacchiatoBackground}{CatMacchiatoBase}
124 \colorlet{CatMacchiatoLink}{CatMacchiatoBlue}
125 \colorlet{CatMacchiatoSuccess}{CatMacchiatoGreen}
126 \colorlet{CatMacchiatoWarning}{CatMacchiatoYellow}
127 \colorlet{CatMacchiatoError}{CatMacchiatoRed}
128 \preparecolorset{RGB/HTML}{CatMocha}{-}{%
129 Rosewater,245,224,220/F5E0DC;%
130 Flamingo,242,205,205/F2CDCD;%
131 Pink,245,194,231/F5C2E7;%
132 Mauve,203,166,247/CBA6F7;%
133 Red,243,139,168/F38BA8;%
134 Maroon,235,160,172/EBA0AC;%
135 Peach,250,179,135/FAB387;%
136 Yellow,249,226,175/F9E2AF;%
137 Green,166,227,161/A6E3A1;%
138 Teal,148,226,213/94E2D5;%
139 Sky,137,220,235/89DCEB;%
140 Sapphire,116,199,236/74C7EC;%
141 Blue,137,180,250/89B4FA;%
142 Lavender,180,190,254/B4BEFE;%
143 Text,205,214,244/CDD6F4;%
144 Subtext1,186,194,222/BAC2DE;%
145 Subtext0,166,173,200/A6ADC8;%
146 Overlay2,147,153,178/9399B2;%
147 Overlay1,127,132,156/7F849C;%
148 Overlay0,108,112,134/6C7086;%
149 Surface2,88,91,112/585B70;%
150 Surface1,69,71,90/45475A;%
151 Surface0,49,50,68/313244;%
152 Base,30,30,46/1E1E2E;%
153 Mantle,24,24,37/181825;%
154 Crust,17,17,27/11111B%
155 }
Define shortcuts for active style
156 \colorlet{CatMochaBackground}{CatMochaBase}
157 \colorlet{CatMochaLink}{CatMochaBlue}
158 \colorlet{CatMochaSuccess}{CatMochaGreen}
159 \colorlet{CatMochaWarning}{CatMochaYellow}

```

```

160 \colorlet{CatMochaError}{CatMochaRed}
161 \colorlet{CatRosewater}{Cat\@catppuccinpalette@style Rosewater}
162 \colorlet{CatFlamingo}{Cat\@catppuccinpalette@style Flamingo}
163 \colorlet{CatPink}{Cat\@catppuccinpalette@style Pink}
164 \colorlet{CatMauve}{Cat\@catppuccinpalette@style Mauve}
165 \colorlet{CatRed}{Cat\@catppuccinpalette@style Red}
166 \colorlet{CatMaroon}{Cat\@catppuccinpalette@style Maroon}
167 \colorlet{CatPeach}{Cat\@catppuccinpalette@style Peach}
168 \colorlet{CatYellow}{Cat\@catppuccinpalette@style Yellow}
169 \colorlet{CatGreen}{Cat\@catppuccinpalette@style Green}
170 \colorlet{CatTeal}{Cat\@catppuccinpalette@style Teal}
171 \colorlet{CatSky}{Cat\@catppuccinpalette@style Sky}
172 \colorlet{CatSapphire}{Cat\@catppuccinpalette@style Sapphire}
173 \colorlet{CatBlue}{Cat\@catppuccinpalette@style Blue}
174 \colorlet{CatLavender}{Cat\@catppuccinpalette@style Lavender}
175 \colorlet{CatText}{Cat\@catppuccinpalette@style Text}
176 \colorlet{CatSubtext1}{Cat\@catppuccinpalette@style Subtext1}
177 \colorlet{CatSubtext0}{Cat\@catppuccinpalette@style Subtext0}
178 \colorlet{CatOverlay2}{Cat\@catppuccinpalette@style Overlay2}
179 \colorlet{CatOverlay1}{Cat\@catppuccinpalette@style Overlay1}
180 \colorlet{CatOverlay0}{Cat\@catppuccinpalette@style Overlay0}
181 \colorlet{CatSurface2}{Cat\@catppuccinpalette@style Surface2}
182 \colorlet{CatSurface1}{Cat\@catppuccinpalette@style Surface1}
183 \colorlet{CatSurface0}{Cat\@catppuccinpalette@style Surface0}
184 \colorlet{CatBase}{Cat\@catppuccinpalette@style Base}
185 \colorlet{CatMantle}{Cat\@catppuccinpalette@style Mantle}
186 \colorlet{CatCrust}{Cat\@catppuccinpalette@style Crust}
187 \colorlet{CatBackground}{Cat\@catppuccinpalette@style Base}
188 \colorlet{CatLink}{Cat\@catppuccinpalette@style Blue}
189 \colorlet{CatSuccess}{Cat\@catppuccinpalette@style Green}
190 \colorlet{CatWarning}{Cat\@catppuccinpalette@style Yellow}
191 \colorlet{CatError}{Cat\@catppuccinpalette@style Red}

Set (only initial) pagecolor according to the style guide if the user wants this
192 \if@catppuccinpalette@pagecolor
193   \pagecolor{CatBackground}
194 \fi

Set textcolor according to the style guide if the user wants this
195 \if@catppuccinpalette@textcolor
196   \color{CatText}
197 \fi

```

Change History

v0.0.1

General: Converted to DTX file . . . 1

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