

# The catppuccinPalette package

Lukas Heindl

[oss.heindl+latex@protonmail.com](mailto:oss.heindl+latex@protonmail.com)

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

v1.0.1 from 2024/02/27

## Abstract

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

## 1 Introduction

Catppuccin<sup>1</sup> is a nice pastel theme in 4 flavours/styles (*Latte*, *Frappé*, *Macchiato*, *Mocha*). This package defines these themes as `xcolor` colors.

## 2 Usage

Load via `\usepackage{catppuccinpalette}`

Just use the new colors (prefixed with `Cat<Style>`) like normal `xcolors`. In addition to the usual colors of the palette, this package defines some colors according to the style guide<sup>2</sup> 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 <code>textcolor</code> of the document to <code>CatText</code> . Possible values: <code>false</code> (default+initial), <code>true</code>
<code>pagecolor</code>	set the <code>pagecolor</code> 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>

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


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

## 2.2 Colors




























### 2.2.1 Style Latte

 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		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:

	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 \RequirePackage{pgfplots}
3 \RequirePackage{xcolor}

```

Define the conditionals used by package options

```
4 \newif\ifcatppuccinpalette@pagecolor
5 \newif\ifcatppuccinpalette@textcolor
6 \pgfkeys{
7 /catppuccinPalette/.cd,
```

Define the package option keys

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

Set initial values for all options

```
23 textcolor = false,
24 pagecolor = false,
25 style = Latte,
26 }
27 \ProcessPgfOptions*
```

Define the *Latte* colorset

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

```

53 Mantle,230,233,239/E6E9EF;%
54 Crust,220,224,232/DCE0E8%
55 }

```

Define colors according to the catppuccin style guide

```

56 \colorlet{CatLatteBackground}{CatLatteBase}
57 \colorlet{CatLatteLink}{CatLatteBlue}
58 \colorlet{CatLatteSuccess}{CatLatteGreen}
59 \colorlet{CatLatteWarning}{CatLatteYellow}
60 \colorlet{CatLatteError}{CatLatteRed}

```

Define the styles *Frappe*, *Macchiato* and *Mocha* accordingly

```

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

```

```

104 Teal,139,213,202/8BD5CA;%
105 Sky,145,215,227/91D7E3;%
106 Sapphire,125,196,228/7DC4E4;%
107 Blue,138,173,244/8AADF4;%
108 Lavender,183,189,248/B7BDF8;%
109 Text,202,211,245/CAD3F5;%
110 Subtext1,184,192,224/B8COE0;%
111 Subtext0,165,173,203/A5ADCB;%
112 Overlay2,147,154,183/939AB7;%
113 Overlay1,128,135,162/8087A2;%
114 Overlay0,110,115,141/6E738D;%
115 Surface2,91,96,120/5B6078;%
116 Surface1,73,77,100/494D64;%
117 Surface0,54,58,79/363A4F;%
118 Base,36,39,58/24273A;%
119 Mantle,30,32,48/1E2030;%
120 Crust,24,25,38/181926%
121 }
122 \colorlet{CatMacchiatoBackground}{CatMacchiatoBase}
123 \colorlet{CatMacchiatoLink}{CatMacchiatoBlue}
124 \colorlet{CatMacchiatoSuccess}{CatMacchiatoGreen}
125 \colorlet{CatMacchiatoWarning}{CatMacchiatoYellow}
126 \colorlet{CatMacchiatoError}{CatMacchiatoRed}
127 \preparecolorset{RGB/HTML}{CatMocha}{-}{%
128 Rosewater,245,224,220/F5E0DC;%
129 Flamingo,242,205,205/F2CDCD;%
130 Pink,245,194,231/F5C2E7;%
131 Mauve,203,166,247/CBA6F7;%
132 Red,243,139,168/F38BA8;%
133 Maroon,235,160,172/EBA0AC;%
134 Peach,250,179,135/FAB387;%
135 Yellow,249,226,175/F9E2AF;%
136 Green,166,227,161/A6E3A1;%
137 Teal,148,226,213/94E2D5;%
138 Sky,137,220,235/89DCEB;%
139 Sapphire,116,199,236/74C7EC;%
140 Blue,137,180,250/89B4FA;%
141 Lavender,180,190,254/B4BEFE;%
142 Text,205,214,244/CDD6F4;%
143 Subtext1,186,194,222/BAC2DE;%
144 Subtext0,166,173,200/A6ADC8;%
145 Overlay2,147,153,178/9399B2;%
146 Overlay1,127,132,156/7F849C;%
147 Overlay0,108,112,134/6C7086;%
148 Surface2,88,91,112/585B70;%
149 Surface1,69,71,90/45475A;%
150 Surface0,49,50,68/313244;%
151 Base,30,30,46/1E1E2E;%
152 Mantle,24,24,37/181825;%
153 Crust,17,17,27/11111B%
154 }
Define shortcuts for active style
155 \colorlet{CatMochaBackground}{CatMochaBase}
156 \colorlet{CatMochaLink}{CatMochaBlue}

```

```

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

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

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

```

## Change History

v0.0.1	v1.0.1
General: Converted to DTX file . . . 1	General: Make fit for CTAN . . . . . 1
v1.0.0	
General: First full release . . . . . 1	

## 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.

<b>C</b>	<i>169, 170, 171,</i>	<i>187, 188, 189, 190</i>
	<i>172, 173, 174,</i>	
<code>\catppuccinpalette@style</code>	<i>175, 176, 177,</i>	
<i>. 10, 12, 14, 16,</i>	<i>178, 179, 180,</i>	<b>I</b>
<i>160, 161, 162,</i>	<i>181, 182, 183,</i>	<code>\ifcatppuccinpalette@pagecolor</code>
<i>163, 164, 165,</i>	<i>184, 185, 186,</i>	<i>..... 4, 191</i>
<i>166, 167, 168,</i>		<code>\ifcatppuccinpalette@textcolor</code>
		<i>..... 5, 194</i>