

# stmcolors package description

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v20230212

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These are the color definitions for `stm-latex`. It is build upon the [xcolor](#) package.

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## 1. Color definitions

|                                   |   |
|-----------------------------------|---|
| <code>backgroundcolor</code>      |  |
| <code>boxgraycolor</code>         |  |
| <code>sketchgraycolor</code>      |  |
| <code>verbgraycolor</code>        |  |
| <code>codecommentgraycolor</code> |  |
| <code>cadmiumgreencolor</code>    |  |
| <code>stmmarkupcolor</code>       |  |

## A. The code

### A.1. stmcolors.sty

```
1 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
2 % Header %
3 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
4 %
5 % This file includes color definitions
6 % Based upon the xcolor package:
7 %   https://ctan.org/pkg/xcolor
8 %
9 % Usage
10 % - Preamble:
11 %   - \usepackage{stmcolors}
12 %
13 % Revisions: 2019-10-27 Martin Raedel <martin.raedel@dlr.de>
14 %               Initial draft
15 %
16 % Contact:   Martin Raedel, martin.raedel@dlr.de
17 %               DLR Lightweight Systems
18 %
19 %               _ _/ | _ _
20 %               / _/ _/ _/
21 %               www.dlr.de/sy/en   | / DLR
22 %
23 % Copyright (C) 2019-... DLR Lightweight Systems
24 %
25 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
26 % Content %
27 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
28
29 % Declare that this style file requires at least LaTeX version 2e.
30 \NeedsTeXFormat{LaTeX2e}
31
32 % Provide the name of your page, the date it was last updated, and a
33 %   comment about what it's used for
34 \ProvidesPackage{stmcolors}[2023/02/12 STMs custom LaTeX color
35 % -----
36 % Options
37 % -----
38
```

```

39 % For options
40 \@ifpackageloaded{kvoptions}{\RequirePackage{kvoptions}}%
41
42 % Option group
43 \SetupKeyvalOptions{%
44   family=stmcolors,%
45   prefix=stmcolors@,%
46   setkeys=\kvsetkeys,%
47 }
48
49 % Items
50 \DeclareBoolOption[true]{items}
51
52 % Process options
53 \ProcessKeyvalOptions{stmcolors}
54
55 % -----
56 % Modules
57 % -----
58
59 % Load the base package
60 \@ifpackageloaded{stmcolorsbase}{\RequirePackage{stmcolorsbase}}%
61 \fi
62
63
64 % Load the items
65 \ifstmcolors@items
66   \@ifpackageloaded{stmcolorsitems}{\RequirePackage{stmcolorsitems}}%
67 \fi
68
69 \fi
70
71 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
72 % That's it
73 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
74
75 % Finally, we'll use \endinput to indicate that LaTeX can stop reading
76 % this file. LaTeX will ignore anything after this line.
77 \endinput

```

## A.2. stmcolorsbase.sty

```

1 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
2 % Header

```

```

3 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
4 %
5 % This file includes color definitions
6 % Based upon the xcolor package:
7 %   https://ctan.org/pkg/xcolor
8 %
9 % Usage
10 % - Preamble:
11 %   - \usepackage{stmcolorsbase}
12 %
13 % Revisions: 2019-10-27 Martin Raedel <martin.raedel@dlr.de>
14 %               Initial draft
15 %
16 % Contact:   Martin Raedel, martin.raedel@dlr.de
17 %           DLR Lightweight Systems
18 %
19 %               __/|__
20 %               /_/_/_/
21 %           www.dlr.de/sy/en   | / DLR
22 %
23 % Copyright (C) 2019-... DLR Lightweight Systems
24 %
25 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
26 % Content %
27 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
28
29 % Declare that this style file requires at least LaTeX version 2e.
30 \NeedsTeXFormat{LaTeX2e}
31
32 % Provide the name of your page, the date it was last updated, and a
   comment about what it's used for
33 \ProvidesPackage{stmcolorsbase}[2023/02/12 STMs custom LaTeX color
   definitions]
34
35 % -----
36 % Package
37 % -----
38
39 \@ifpackageloaded{xcolor}{\{%
40   \RequirePackage{xcolor}
41 }%
42
43 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
44 % That's it %

```

```

45 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
46
47 % Finally, we'll use \endinput to indicate that LaTeX can stop reading
   this file. LaTeX will ignore anything after this line.
48 \endinput

```

### A.3. stmcolorsitems.sty

```

1  %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
2  % Header %
3  %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
4  %
5  % This file includes color definitions
6  % Based upon the xcolor package:
7  %   https://ctan.org/pkg/xcolor
8  %
9  % Usage
10 %   - Preamble:
11 %     - \usepackage{stmcolorsitems}
12 %
13 % Revisions: 2019-10-27 Martin Raedel <martin.raedel@dlr.de>
14 %               Initial draft
15 %
16 % Contact:   Martin Raedel, martin.raedel@dlr.de
17 %               DLR Lightweight Systems
18 %
19 %               _ _/|_ _
20 %               / _/_/_/
21 %               www.dlr.de/sy/en   | / DLR
22 %
23 % Copyright (C) 2019-... DLR Lightweight Systems
24 %
25 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
26 % Content %
27 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
28
29 % Declare that this style file requires at least LaTeX version 2e.
30 \NeedsTeXFormat{LaTeX2e}
31
32 % Provide the name of your page, the date it was last updated, and a
   comment about what it's used for
33 \ProvidesPackage{stmcolorsitems}[2023/02/12 STMs custom LaTeX color
   definitions]
34

```

```

35 % -----
36 % Package
37 % -----
38
39 \@ifpackageloaded{stmunitsbase}{\RequirePackage{stmunitsbase}}%
40
41 % -----
42 % Colors
43 % -----
44
45 \definecolor{backgroundcolor}{RGB}{255,255,255}
46
47 \definecolor{boxgraycolor}{RGB}{240,240,240}
48
49 \definecolor{sketchgraycolor}{RGB}{220,220,220}
50
51 \definecolor{nofocustextgraycolor}{RGB}{180,180,180}
52
53 \definecolor{verbgraycolor}{gray}{0.9}
54 \definecolor{codecommentgraycolor}{gray}{0.5}
55
56 \definecolor{cadmiumgreencolor}{rgb}{0.0, 0.42, 0.24}
57
58 \definecolor{stmmarkupcolor}{rgb}{1.0, 0.0, 0.0} % red
59
60 \definecolor{hyperrefstmtylelinkcolor}{gray}{0}
61 \definecolor{hyperrefstmtylecitecolor}{gray}{0}
62 \definecolor{hyperrefstmtyleurlcolor}{RGB}{0,0,255}
63
64 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
65 % That's it %
66 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
67
68 % Finally, we'll use \endinput to indicate that LaTeX can stop reading
   this file. LaTeX will ignore anything after this line.
69 \endinput

```