

The `tumcolor` package*

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1 Introduction

This package has two purposes: to load the `xcolor` package and to define the official plus some additional colors.

If more colors are needed, consider loading `tumcolor` with *dvipsnames*, *svg-names*, or *x11names* option (see the documentation of the `xcolor` for details). Also, consider loading your very own color package. In TUM documents you should load the `tumcolor` package at the beginning of your own color definition package.

2 Installation

Install this package like any other L^AT_EX package.

The end of this file contains the installation file (`.ins`) code in case the provided `ins-file` got lost.

For style creation run `latex tumcolor.ins`. For doc/manual creation run `latex tumcolor.dtx`.

3 Dependencies

As of `tumcolor v2.1` this package depends on

- `xcolor`

only.

*This document corresponds to `tumcolor v2.1`, dated 2016/05/30.

4 Official TUM Colors Provided

4.1 Basic Colors

TUMBlack	TUMWhite
TUMBlue [Pantone 300]	TUMGray

4.2 Additional Blues

TUMBlueDarkest [Pantone 540]	TUMBlueDarker [Pantone 301]
TUMBlueLighter [Pantone 542]	TUMBlueLightest [Pantone 283]

TUMBlueDarkest80	TUMBlueDarker80
TUMBlueDarkest50	TUMBlueDarker50
TUMBlueDarkest20	TUMBlueDarker20
TUMBlueLighter80	TUMBlueLightest80
TUMBlueLighter50	TUMBlueLightest50
TUMBlueLighter20	TUMBlueLightest20

4.3 Highlight Colors

TUMGreen	TUMOrange
TUMIvory	

4.4 PowerPoint Colors

TUMPPTOrange	TUMPPTGreen
TUMPPTBlue4	TUMPPTBlue3
TUMPPTBlue2	TUMPPTBlue1
TUMPPTGray	TUMPPTBlueLight

4.5 Additional Beamer Colors

TUMBeamerYellow	TUMBeamerOrange
TUMBeamerRed	TUMBeamerDarkRed
TUMBeamerBlue	TUMBeamerLightBlue
TUMBeamerGreen	TUMBeamerLightGreen

NOTE: These colors are only suggested ones (i.e. rather unofficial).

5 Mandatory and Suggested Preamble of Personal Color Definition Style File

In order to consistently load the `tumcolor` and the `xcolor` package, here is a suggestion on how the first lines of a personal color definition file may look like:

```
\newif\ifisdvipsnames
\DeclareOption{dvipsnames}{\isdvipsnamestrue}
\ProcessOptions\relax
\ifisdvipsnames
  \RequirePackage[dvipsnames]{tumcolor}
\else
  \RequirePackage{tumcolor}
\fi
```

In the rest of your personal color definition file you can use the commands

- `\definecolor{name}{model}{color-spec}`
- `\colorlet{name}{defined-color mixture}`

provided by the `xcolor` package.

6 Implementation

6.1 Load `xcolor` with Options

As this package depends on the `xcolor` package, we pass all options to this very package.

```
1 \RequirePackageWithOptions{xcolor}%
```

6.2 Define Official TUM Colors

The official TUM colors as defined in https://portal.mytum.de/corporatedesign/regeln/index_styleguide.

6.2.1 Print Colors

Black, Gray, and White is a must have.

```
2 \definecolorset{RGB}{TUM}{%
3 Black, 0, 0, 0;%
4 Gray, 51, 51, 51;%
5 White, 255, 255, 255;%
```

The official TUM Blue [Pantone 300 C].

```
6 Blue, 0, 101, 189;%
```

7 Ivory, 218, 215, 203;%
8 Orange, 227, 114, 34;%
9 Green, 162, 173, 0%
10 1%

```

11 \definecolorset{RGB}{TUMGray}{-}{%
12 Lighter, 128, 128, 128;%
13 Lightest, 204, 204, 204%
14 }%

```

```

15 \definecolorset{RGB}{TUMBlue}{-}{%
16 Darkest,    0,  51, 89;%
17 Darker,     0,  82, 147;%
18 Lighter,    100, 160, 200;%
19 Lightest,   152, 198, 234%
20 }%

```

```

21 \colorlet{TUMBlueDarkest80}{TUMBlueDarkest!80}%
22 \colorlet{TUMBlueDarkest50}{TUMBlueDarkest!50}%
23 \colorlet{TUMBlueDarkest20}{TUMBlueDarkest!20}%
24 \colorlet{TUMBlueDarker80}{TUMBlueDarker!80}%
25 \colorlet{TUMBlueDarker50}{TUMBlueDarker!50}%
26 \colorlet{TUMBlueDarker20}{TUMBlueDarker!20}%
27 \colorlet{TUMBlueLighter80}{TUMBlueLighter!80}%
28 \colorlet{TUMBlueLighter50}{TUMBlueLighter!50}%
29 \colorlet{TUMBlueLighter20}{TUMBlueLighter!20}%
30 \colorlet{TUMBlueLightest80}{TUMBlueLightest!80}%
31 \colorlet{TUMBlueLightest50}{TUMBlueLightest!50}%
32 \colorlet{TUMBlueLightest20}{TUMBlueLightest!20}%

```

Colors used in the PowerPoint template

4

Suggested TUM colors for beamer presentations. All RGB. [RGB 255,180,000 / RGB 255,128,000 / RGB 229,052,024 / RGB 202,033,063 RGB 000,153,255 / RGB 065,190,255 / RGB 145,172,107 / RGB 181,202,130].

```

43 \definecolorset{rgb}{TUMBeamer}{-}{%
44 Yellow,      1.00, 0.71, 0.00;%
45 Orange,      1.00, 0.50, 0.00;%
46 Red,         0.90, 0.20, 0.09;%
47 DarkRed,     0.79, 0.13, 0.25;%
48 Blue,        0.00, 0.60, 1.00;%
49 LightBlue,   0.25, 0.75, 1.00;%
50 Green,       0.57, 0.67, 0.42;%
51 LightGreen,  0.71, 0.79, 0.51%
52 }%

```

6.2.3 Aliases

Some additional aliases to make commonly used colors more recognizable.

Colors used by the LIS logo.

```

53 \colorlet{LISBlueStroke}{TUMBlue}%
54 \colorlet{LISBlueFill}{TUMBlueLighter}%

```

Legacy colors.

```

55 \colorlet{TUMDarkBlue}{TUMBlueDarkest}%
56 \colorlet{TUMDarkerBlue}{TUMBlueDarker}%
57 \definecolor{TUMMediumBlue}{cmym}{0.90,0.48,0.00,0.00}%
58 \colorlet{TUMLighterBlue}{TUMBlueLighter}%
59 \colorlet{TUMLightBlue}{TUMBlueLightest}%
60 \colorlet{TUMDarkGray}{TUMGray}%
61 \colorlet{TUMMediumGray}{TUMGrayLighter}%
62 \colorlet{TUMLightGray}{TUMGrayLightest}%

```