

# BEAMER appearance cheat sheet (from version 3.57)

The elements presented here come from the beamer files style and class: unfortunately, **some elements in the official documentation may not correspond**.

Parent-child relations of Beamer's elements (colors, fonts, templates) are indicated by successive indentations.

More information can be found in the official documentation: <http://www.ctan.org/tex-archive/macros/latex/contrib/beamer/doc/beameruserguide.pdf>.

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## Beamer's Fonts

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Use `\setbeamerfont{template_name}{<key=value> list}` to change a Beamer's font.

Keys are: family, series, shape, size, parent.

Some parent-child relations from `beamerfontthemedefault.sty` are displayed: they can be overridden by other themes.

### Structure of the presentation

#### Global definitions

- normal text
- structure
- alerted text
- tiny structure
  - projected text

#### Title page, part, section, subsection

- title
  - subtitle
  - part title
  - section title
  - subsection title
- author
- institute
- date
- part name
- section name
- subsection name

#### Table of contents

- section in toc
  - section in toc shaded
  - section number projected
- subsection in toc
  - subsection in toc shaded
- subsubsection in toc
  - subsubsection in toc shaded

#### Bibliography

- bibliography entry author
- bibliography entry title
- bibliography entry location
- bibliography entry note

#### Note page

- note page
  - note title
- note date

### Structure of a frame

#### Headlines and footlines

- headline
- footline
- page number in head/foot

#### Sidebars

- sidebar
  - sidebar left
  - sidebar right
- section in sidebar
- subsection in sidebar
- subsubsection in sidebar
- title in sidebar
- author in sidebar
- institute in sidebar
- date in sidebar

#### Navigation bars

- mini frame

- section in head/foot
- subsection in head/foot
- subsubsection in head/foot
- title in head/foot
- author in head/foot
- institute in head/foot
- date in head/foot

### Elements of a frame

#### Frame title

- frametitle
- framesubtitle

#### Abstract

- abstract
  - abstract title

#### Hyperlinks and buttons

- button

#### Lists

- itemize/enumerate body
- itemize/enumerate subbody
- itemize/enumerate subsubbody
- description body
- item
  - item projected
    - subitem projected
    - subsubitem projected
- itemize item
- enumerate item

- description item
- subitem
  - itemize subitem
  - enumerate subitem
- subsubitem
  - itemize subsubitem
  - enumerate subsubitem

### Blocks environments

- block
- block body
  - block title
  - block title alerted
  - block title example
- block body alerted
- block body example
- example text

### Figures and tables

- caption
- caption name

### Verse, quotations and quotes

- verse
- quotation
- quote

### Footnotes

- footnote mark

# Beamer's Colors

Use `\setbeamercolor{template_name}{<key=value> list}` to change a Beamer's color.

Keys are: fg, bg, parent, use. Use the color syntax of the xcolor package.

Some parent-child relations from `bearmercolorthemedefault.sty` are displayed: they can be overridden by other themes.

## Structure of the presentation

### Color palettes

- palette primary
- palette secondary
- palette tertiary
- palette quaternary
- palette sidebar primary
- palette sidebar secondary
- palette sidebar tertiary
- palette sidebar quaternary

### Global definitions

- normal text
  - background canvas
  - background
- separation line
- fine separation line

### Title page, part, section, subsection

- titlelike
  - title
    - subtitle
  - part title
  - section title
  - subsection title
- author
- institute
- date
- titlegraphic
- part name
- section name
- subsection name

### Table of contents

- section in toc
  - section in toc shaded
- subsection in toc
  - subsection in toc shaded
  - subsubsection in toc
  - subsubsection in toc shaded
- section number projected

- subsection number projected
- subsubsection number projected

### Bibliography

- bibliography entry author
- bibliography entry title
- bibliography entry location
- bibliography entry note
- bibliography item

### Note page

- note page
- note title
  - note date

## Structure of a frame

### Headlines and footlines

- headline
- footline
- page number in head/foot
- separation line
  - upper separation line head
  - middle separation line head
  - lower separation line head
  - upper separation line foot
  - middle separation line foot
  - lower separation line foot

- author in head/foot
- title in head/foot
- date in head/foot
- institute in head/foot
- section in head/foot
- subsection in head/foot
  - subsubsection in head/foot

### Sidebars

- sidebar
  - sidebar left
  - sidebar right
- section in sidebar
- section in sidebar shaded

- subsection in sidebar
  - subsubsection in sidebar
- subsection in sidebar shaded
  - subsubsection in sidebar shaded
- title in sidebar
- author in sidebar
- institute in sidebar
- date in sidebar

### Navigation bars

- mini frames
- mini frame

### Navigation symbols

- navigation symbols
- navigation symbols dimmed

### Logo

- logo

## Elements of a frame

### Frame title

- frametitle
- framesubtitle
- frametitle right

### Abstract

- abstract
- abstract title

### Hyperlinks and buttons

- button
- button border

### Lists

- item
  - itemize item
  - enumerate item
  - description item
  - item projected
    - subitem projected
    - subsubitem projected
  - subitem
    - itemize subitem

- enumerate subitem
- subsubitem
  - itemize subsubitem
  - enumerate subsubitem
- itemize/enumerate body
- itemize/enumerate subbody
- itemize/enumerate subsubbody
- description body

### Highlighting

- structure
  - local structure
- alerted text
- example text

### Blocks environments

- block title
- block body
- block title alerted
- block body alerted
- block title example
- block body example

### Theorem environments

- qed symbol

### Figures and tables

- caption
- caption name

### Verse, quotations and quotes

- verse
- quotation
  - quote

### Footnotes

- footnote
- footnote mark

### Mathematics

- math text
  - math text inlined
  - math text displayed
- normal text in math text

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# Beamer's Templates

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Use `\setbeamertemplate{template_name}{your definition}` to change a Beamer's template.

The definition is some  $\text{\LaTeX}$  code which can use any of the `\insert...` commands given below.

Parent-child relations are those in `bearmerinnerthemedefault.sty`, `bearmerouterthemedefault.sty`, they can be overridden by other themes.

## Structure of the presentation

### Title page

title page

### Part, section, subsection pages

part page

section page

subsection page

### Table of contents

sections/subsections in toc

section in toc

subsection in toc

subsubsection in toc

sections/subsections in toc shaded

section in toc shaded

subsection in toc shaded

subsubsection in toc shaded

### Bibliography

bibliography entry article

bibliography entry author

bibliography entry title

bibliography entry location

bibliography entry note

bibliography item

### Note page

note page

## Structure of a frame

### Background

background canvas

background

### Headlines and footlines

headline

footline

## Sidebars

sidebar left

sidebar right

sidebar canvas left

sidebar canvas right

section in sidebar

section in sidebar shaded

subsection in sidebar

subsection in sidebar shaded

subsubsection in sidebar

subsubsection in sidebar shaded

## Navigation bars

mini frames

mini frame

mini frame in current section

mini frame in current subsection

mini frame in other section

mini frame in other subsection

section in head/foot

section in head/foot shaded

subsection in head/foot

subsection in head/foot shaded

subsubsection in head/foot

subsubsection in head/foot shaded

page number in head/foot

## Navigation symbols

navigation symbols

## Logo

logo

## Elements of a frame

### Frame title

frametitle

frametitle continuation

## Abstract

abstract title

abstract begin

abstract end

## Hyperlinks and buttons

button

## Lists

items

itemize items

itemize item

itemize subitem

itemize subsubitem

enumerate items

enumerate item

enumerate subitem

enumerate subsubitem

enumerate mini template

itemize/enumerate body begin

itemize/enumerate body end

itemize/enumerate subbody begin

itemize/enumerate subbody end

itemize/enumerate subsubbody begin

itemize/enumerate subsubbody end

description body begin

description body end

description item

## Highlighting

structure begin

structure end

structure text begin

structure text end

alerted text begin

alerted text end

## Blocks environments

blocks

block begin

block end

block alerted begin

block alerted end

block example begin

block example end

## Theorem environments

theorems

theorem begin

theorem end

proof begin

proof end

qed symbol

## Figures and tables

caption

caption label separator

## Verse, quotations and quotes

verse begin

verse end

quotation begin

quotation end

quote begin

quote end

## Footnotes

footnote TCF

## Article mode

### Frame structure

frame begin

frame end

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## Insert-like Commands

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These commands can be used to compose templates.

Possible mandatory and optional arguments are omitted, see the official documentation.

### Structure of the presentation

#### Page and frame numbering

```
\insertpagenumber
\insertdocumentstartpage
\insertdocumentendpage
\insertpresentationstartpage
\insertpresentationendpage
\insertpartstartpage
\insertpartendpage
\insertsectionstartpage
\insertsectionendpage
\insertsubsectionstartpage
\insertsubsectionendpage
\insertappendixstartpage
\insertappendixendpage
\insertappendixframenumbers
\insertframenumbers
\insertmainframenumbers
\insertframenumbersinappendix
\inserttotalframenumbers
\insertframestartpage
\insertframeendpage
\insertslidenumbers
\insertoverlaynumbers
```

#### Presentation data

```
\insertauthor
\insertshortauthor
\insertinstitute
\insertshortinstitute
\insertinstituteindicator
\insertauthorindicator
\inserttitle
```

```
\insertshorttitle
\inserttitleindicator
\insertsubtitle
\insertshortsubtitle
\insertdate
\insertshortdate
\insertdateindicator
\inserttitlegraphic
```

#### Lecture, part, section, subsection data

```
\insertlecture
\insertshortlecture
\insertlecturenumber
\insertpart
\insertshortpart
\insertpartnumber
\insertromanpartnumber
\insertsection
\insertsectionnumber
\insertsubsection
\insertsubsectionnumber
\insertsubsubsection
\insertsubsubsectionnumber
```

#### Table of contents

```
\inserttocsection
\inserttocsectionnumber
\inserttocsubsection
\inserttocsubsectionnumber
\inserttocsubsubsection
\inserttocsubsubsectionnumber
```

#### Bibliography

```
\insertbiblabel
```

#### Note pages

```
\insertnote
```

### Structure of a frame

#### Headlines and footlines

```
\insertsectionhead
\insertsectionheadnumber
\insertpartheadnumber
\insertsubsectionhead
\insertsubsectionheadnumber
\insertsubsubsectionhead
\insertsubsubsectionheadnumber
```

#### Navigation bars

```
\insertnavigation
\insertsectionnavigation
\insertsectionnavigationhorizontal
\insertsubsectionnavigation
\insertsubsectionnavigationhorizontal
\insertverticalnavigation
```

#### Navigation symbols

```
\insertnavigationssymbols
\insertslidenavigationssymbol
\insertframenavigationssymbol
\insertsubsectionnavigationssymbol
\insertsectionnavigationssymbol
\insertdocnavigationssymbol
\insertbackfindforwardnavigationssymbol
```

#### Logo

```
\insertlogo
```

### Elements of a frame

#### Frame title

```
\insertframetitle
\insertshortframetitle
\insertframesubtitle
```

```
\insertcontinuationcount
\insertcontinuationcountroman
\insertcontinuationtext
```

#### Hyperlinks and buttons

```
\insertbuttontext
\insertgotosymbol
\insertskipsymbol
\insertreturnsymbol
```

#### Lists

```
\insertenumlabel
\insertsubenumlabel
\insertsubsubenumlabel
\insertenumlabel
\insertdescriptionitem
```

#### Blocks environments

```
\insertblockname
\insertblocktitle
```

#### Theorem environments

```
\inserttheoremblockenv
\inserttheoremheadfont
\inserttheoremname
\inserttheoremnumber
\inserttheoremaddition
\inserttheorempunctuation
\insertproofname
```

#### Figures and tables

```
\insertcaption
\insertcaptionname
\insertcaptionnumber
```

#### Footnotes

```
\insertfootnotetext
\insertfootnotemark
```

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## Beamer's Sizes

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Use `\setbeamsize{size name=<dim>}` to change a Beamer's size.  
The geometry of the page is given by the `geometry` package.

<code>text margin left</code>	<code>sidebar width left</code>	<code>description width</code>	<code>mini frame size</code>
<code>text margin right</code>	<code>sidebar width right</code>	<code>description width of</code>	<code>mini frame offset</code>

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## Named Themes

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See the official documentation for options associated to some of these themes.

Themes are defined in style files

`beamertheme<theme_name>.sty`, `beamerinnertheme<theme_name>.sty`, `beameroutertheme<theme_name>.sty`, `beamercolortheme<theme_name>.sty`, `beamerfonttheme<theme_name>.sty`.

### Global Themes

`\usetheme{theme_name}`

#### Without Navigation Bar

`default`  
`boxes`  
`Bergen`  
`Boadilla`  
`Madrid`  
`AnnArbor`  
`CambridgeUS`  
`EastLansing`  
`Pittsburgh`  
`Rochester`

#### Tree-Like Navigation Bar

`Antibes`  
`JuanLesPins`  
`Montpellier`

#### Table of Contents Sidebar

`Berkeley`  
`PaloAlto`  
`Goettingen`  
`Marburg`  
`Hannover`

#### Mini Frame Navigation

`Berlin`

`Ilmenau`  
`Dresden`  
`Darmstadt`  
`Frankfurt`  
`Singapore`  
`Szeged`

#### Section and Subsection Tables

`Copenhagen`  
`Luebeck`  
`Malmoe`  
`Warsaw`

#### Themes for Compatibility (to avoid)

`compatibility`  
`bars`  
`classic`  
`lined`  
`plain`  
`sidebar`  
`shadow`  
`split`  
`tree`

#### Inner Themes

`\useinnertheme{theme_name}`  
`default`

`circles`  
`rectangles`  
`rounded`  
`inmargin`

### Outer Themes

`\useoutertheme{theme_name}`

`default`  
`infolines`  
`miniframes`  
`smoothbars`  
`sidebar`  
`split`  
`shadow`  
`tree`  
`smoothtree`

### Color Themes

`\usecolortheme{theme_name}`

`default`  
`structure`  
`sidebartab`

#### Complete Color Themes

`albatross`  
`beetle`  
`crane`

`dove`  
`fly`  
`monarca`  
`seagull`  
`wolverine`  
`beaver`  
`spruce`

#### Inner Color Themes

`lily`  
`orchid`  
`rose`

#### Outer Color Themes

`whale`  
`seahorse`  
`dolphin`

### Font Themes

`\usefonttheme{theme_name}`

`default`  
`professionalfonts`  
`serif`  
`structurebold`  
`structureitalicserif`  
`structuresmallcaps serif`  
`structureitalicserif`