

# CoDeX

JNR306

1.5.2025

## Colors

The following colors are all predefined by the CoDeX package. But they can all be globally redefined for an entire document. See package options.

### Neutral colors:

These colors should mostly be used as background colors.

CoDeXExtraDark

#131313

CoDeXDark

#2A2734

CoDeXLight

#E6E6E6

CoDeXExtraLight

#F2F2F2

### Accent colors:

These colors should only be used as colorful accents and highlights. Use them sparingly.

CoDeXAccentPrimaryLight

#FFD7AF

CoDeXAccentPrimary

#FFC78F

CoDeXAccentPrimaryDark

#A76625

CoDeXAccentSecondaryLight

#EEEEBF

CoDeXAccentSecondary

#ADA5C8

CoDeXAccentSecondaryDark

#665B89

CoDeXAccentTertiaryLight	#B5E7FF
CoDeXAccentTertiary	#59ABFF
CoDeXAccentTertiaryDark	#3577D7

### Text colors:

These colors should only be used for text that is layered on top of the defined background or accent colors. If you redefine them, keep contrast in mind so that the text will still be legible. In order for the global redefinition of colors to work, you should always use the appropriate text color and not color values like white or black because they will not be updated dynamically.

Color value	Example usage
CoDeXTextOnDark #FFFFFF	XXXXXXXXXX
CoDeXTextOnLight #000000	XXXXXXXXXX
CoDeXTextOnPrimaryAccentLight #2A2734	XXXXXXXXXX
CoDeXTextOnPrimaryAccent #2A2734	XXXXXXXXXX
CoDeXTextOnPrimaryAccentDark #FFFFFF	XXXXXXXXXX
CoDeXTextOnSecondaryAccentLight #2A2734	XXXXXXXXXX
CoDeXTextOnSecondaryAccent #FFFFFF	XXXXXXXXXX
CoDeXTextOnSecondaryAccentDark #FFFFFF	XXXXXXXXXX
CoDeXTextOnTertiaryAccentLight #2A2734	XXXXXXXXXX
CoDeXTextOnTertiaryAccent #FFFFFF	XXXXXXXXXX
CoDeXTextOnTertiaryAccentDark #FFFFFF	XXXXXXXXXX

## Document settings

These settings will change certain aspects of the current document. They will need to be set when CoDeX is imported with the `\usepackage{CoDeX}` command.

**Important:** These settings can currently not be changed dynamically within the document or on a page-to-page basis.

### Default settings/package import:

`\usepackage{CoDeX}`

#### Lorem ipsum

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris. Nam arcu libero, nonummy eget, consectetur id, vulputate a, magna. Donec vehicula augue eu neque. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Mauris ut leo. Cras viverra metus rhoncus sem. Nulla et lectus vestibulum urna fringilla ultrices. Phasellus eu tellus sit amet tortor gravida placerat. Integer sapien est, iaculis in, pretium quis, viverra ac, nunc. Praesent eget sem vel leo ultrices bibendum. Aenean faucibus. Morbi dolor nulla, malesuada eu, pulvinar at, mollis ac, nulla. Curabitur auctor semper nulla. Donec varius orci eget risus. Duis nibh mi, congue eu, accumsan eleifend, sagittis quis, diam. Duis eget orci sit amet orci dignissim rutrum. Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi. Morbi ac orci et nisl hendrerit mollis. Suspendisse ut massa. Cras nec ante. Pellentesque a nulla. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Aliquam tincidunt urna. Nulla ullamcorper vestibulum turpis. Pellentesque cursus luctus mauris. Nulla malesuada porttitor diam. Donec felis erat, congue non, volutpat at, tincidunt tristique, libero. Vivamus viverra fermentum felis. Donec nonummy pellentesque ante. Phasellus adipiscing semper elit. Proin fermentum massa ac quam. Sed diam turpis, molestie vitae, placerat a, molestie nec, leo. Maecenas lacinia. Nam ipsum ligula, eleifend at, accumsan nec, suscipit a, ipsum. Morbi blandit ligula feugiat magna. Nunc eleifend consequat lorem. Sed lacinia nulla vitae enim. Pellentesque tincidunt purus vel magna. Integer non enim. Praesent euismod nunc eu purus. Donec bibendum quam in tellus. Nullam cursus pulvinar lectus. Donec et mi. Nam vulputate metus eu enim. Vestibulum pellentesque felis eu massa. Quisque ullamcorper placerat ipsum. Cras nibh. Morbi vel justo vitae lacus tincidunt

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2

### Equivalent settings with explicitly set options:

```
\usepackage[pagestyle=none, title={Homework sheet 1}, nameheadersize=regular, group={Group 1},
date={\the\day.\, \the\month.\, \the\year}, students={Adrian Blake/553731, Charles Randall/740995,
Zoe Rutherford/331445}, extradark=131313, dark=A2734, light=E6E6E6, extralight=F2F2F2, accentprimarylight=FFD7AF,
accentprimary=FFC78F, accentprimarydark=A76625, accentsecondarylight=EEEEFF, accentsecondary=ADA5C8,
accentsecondarydark=665B89, accenttertiarylight=B5E7FF, accenttertiary=59ABFF, accenttertiarydark=3577D7,
textondark=FFFFFF, textonlight=000000, textonprimaryaccentlight=2A2734, textonprimaryaccent=2A2734,
textonprimaryaccentdark=FFFFFF, textonsecondaryaccentlight=2A2734, textonsecondaryaccent=FFFFFF,
textonsecondaryaccentdark=FFFFFF, textontertiaryaccentlight=2A2734, textontertiaryaccent=FFFFFF,
textontertiaryaccentdark=FFFFFF]{CoDeX}
```

LaTeX

### Page customization:

The following settings change the appearance and text of the header and footer that are provided by the package. They will only be changed for the current document.

**Roadmap:** We will expand the customization options in the future greatly. Because at the moment we need a specialised package for the headers in this documentation, which is not optimal.

pagestyle - **none** **fancydark** **fancylight**

Default = **none**

This option changes the header and footer style with two presets. A dark version and a light version. And of course, the option to disable a header and footer style with none.

```
\usepackage[pagestyle=none]{CoDeX}
```

### Lorem ipsum

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris. Nam arcu libero, nonummy eget, consectetur id, vulputate a, magna. Donec vehicula augue eu neque. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Mauris ut leo. Cras viverra metus rhoncus sem. Nulla et lectus vestibulum urna fringilla ultrices. Phasellus eu tellus sit amet tortor gravida placerat. Integer sapien est, iaculis in, pretium quis, viverra ac, nunc. Praesent eget sem vel leo ultrices bibendum. Aenean faucibus. Morbi dolor nulla, malesuada eu, pulvinar at, mollis ac, nulla. Curabitur auctor semper nulla. Donec varius orci eget risus. Duis nibh mi, congue eu, accumsan eleifend, sagittis quis, diam. Duis eget orci sit amet orci dignissim rutrum.

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Nulla malesuada porttitor diam. Donec felis erat, congue non, volutpat at, tincidunt tristique, libero. Vivamus viverra fermentum felis. Donec nonummy pellentesque ante. Phasellus adipiscing semper elit. Proin fermentum massa ac quam. Sed diam turpis, molestie vitae, placerat a, molestie nec, leo. Maecenas lacinia. Nam ipsum ligula, eleifend at, accumsan nec, suscipit a, ipsum. Morbi blandit ligula feugiat magna. Nunc eleifend consequat lorem. Sed lacinia nulla vitae enim. Pellentesque tincidunt purus vel magna. Integer non enim. Praesent euismod nunc eu purus. Donec bibendum quam in tellus. Nullam cursus pulvinar lectus. Donec et mi. Nam vulputate metus eu enim. Vestibulum pellentesque felis eu massa.

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ultrices. Lorem ipsum dolor sit amet, consectetur adipiscing elit. In hac habitasse platea dictumst. Integer tempus convallis augue. Etiam facilisis. Nunc elementum fermentum wisi. Aenean placerat. Ut imperdiet, enim sed gravida sollicitudin, felis odio placerat quam, ac pulvinar elit purus eget enim. Nunc vitae tortor. Proin tempus nibh sit amet nisl. Vivamus quis tortor vitae risus porta vehicula.

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2

```
\usepackage[pagestyle=fancydark]{CoDeX}
```

## Homework sheet 1

Adrian Blake  
Student ID: 553731

Charles Randall  
Student ID: 740995

Zoe Rutherford  
Student ID: 331445

Group 11 1.1.2025

### Lorem ipsum

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Adrian Blake 553731 Charles Randall 740995 Zoe Rutherford 331445

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2

```
\usepackage[pagestyle=fancylight]{CoDeX}
```

# Homework sheet 1

Adrian Blake  
Student ID: 553731

Charles Randall  
Student ID: 740995

Zoe Rutherford  
Student ID: 331445

Group 111.1.2025

**Lorem ipsum**

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris. Nam arcu libero, nonummy eget, consectetur id, vulputate a, magna. Donec vehicula augue eu neque. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Mauris ut leo. Cras viverra metus rhoncus sem. Nulla et lectus vestibulum urna fringilla ultrices. Phasellus eu tellus sit amet tortor gravida placerat. Integer sapien est, iaculis in, pretium quis, viverra ac, nunc. Praesent eget sem vel leo ultrices bibendum. Aenean faucibus. Morbi dolor nulla, malesuada eu, pulvinar at, mollis ac, nulla. Curabitur auctor semper nulla. Donec varius orci eget risus. Duis nibh mi, congue eu, accumsan eleifend, sagittis quis, diam. Duis eget orci sit amet orci dignissim rutrum. Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi. Morbi ac orci et nisl hendrerit mollis. Suspendisse ut massa. Cras nec ante. Pellentesque a nulla. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Aliquam tincidunt urna. Nulla ullamcorper vestibulum

Adrian Blake 553731Charles Randall 740995Zoe Rutherford 331445

turpis. Pellentesque cursus luctus mauris.

Nulla malesuada porttitor diam. Donec felis erat, congue non, volutpat at, tincidunt tristique, libero. Vivamus viverra fermentum felis. Donec nonummy pellentesque ante. Phasellus adipiscing semper elit. Proin fermentum massa ac quam. Sed diam turpis, molestie vitae, placerat a, molestie nec, leo. Maecenas lacinia. Nam ipsum ligula, eleifend at, accumsan nec, suscipit a, ipsum. Morbi blandit ligula feugiat magna. Nunc eleifend consequat lorem. Sed lacinia nulla vitae enim. Pellentesque tincidunt purus vel magna. Integer non enim. Praesent euismod nunc eu purus. Donec bibendum quam in tellus. Nullam cursus pulvinar lectus. Donec et mi. Nam vulputate metus eu enim. Vestibulum pellentesque felis eu massa.

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title - text

Default = Homework sheet 1

This option changes the title of the header.

**Important:** The header title is only shown if the option `pagestyle` is either set to `fancydark` or `fancylight`. Keep in mind that you need to use these `{}` brackets around your text if it contains whitespace.

```
\usepackage[pagestyle=fancydark, title={Lorem ipsum}]{CoDeX}
```

# Lorem ipsum

Adrian Blake  
Student ID: 553731

Charles Randall  
Student ID: 740995

Zoe Rutherford  
Student ID: 331445

Group 111.1.2025

**Lorem ipsum**

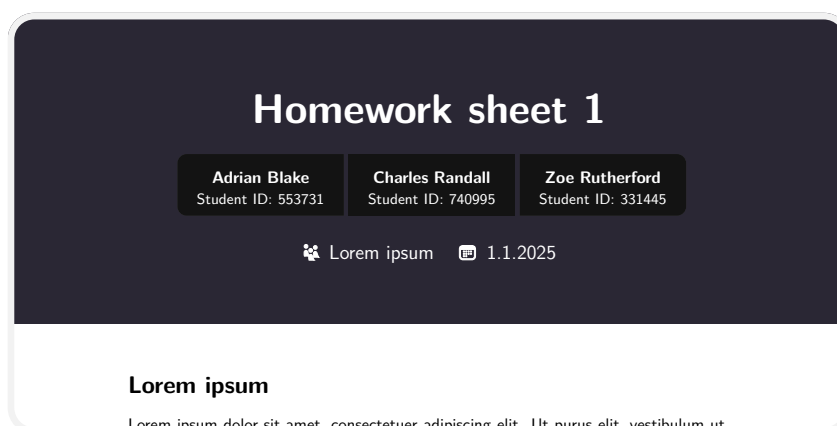
Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut,

**group** - **text**Default = **Group 1**

This option changes the group name field of the header.

**Important:** The header group name field is only shown if the option *pagestyle* is either set to *fancydark* or *fancylight*. Keep in mind that you need to use these {} brackets around your text if it contains whitespace.

```
\usepackage[pagestyle=fancydark, group={Lorem ipsum}]{CoDeX}
```

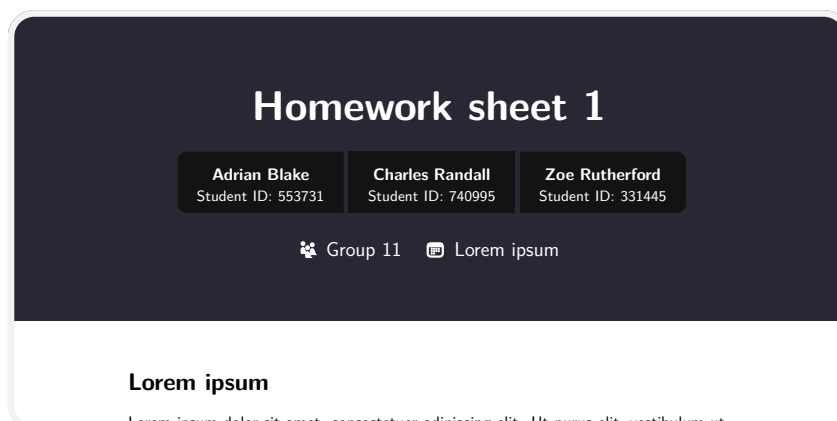
**date** - **text**Default = **today**

This option changes the date field of the header.

**Important:** The header date field is only shown if the option *pagestyle* is either set to *fancydark* or *fancylight*. Keep in mind that you need to use these {} brackets around your text if it contains whitespace.

**Note:** The default value is changing dynamically to represent the day you compiled your document. It is displayed in DD.MM.YYYY.

```
\usepackage[pagestyle=fancydark, date={Lorem ipsum}]{CoDeX}
```

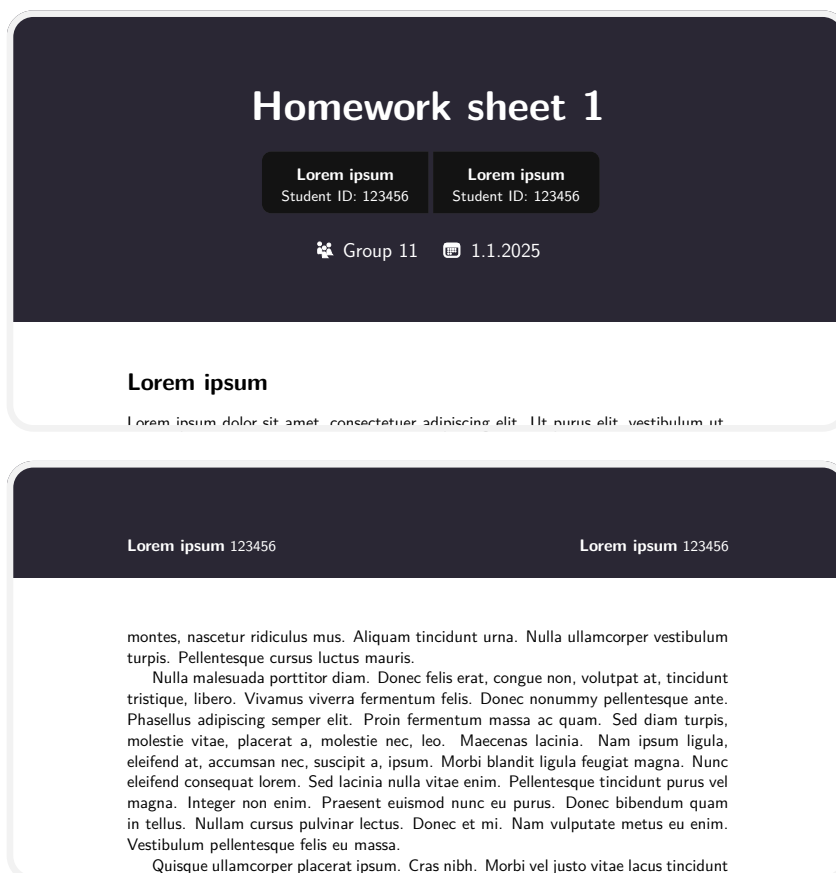


**students** - **list** *Default* = {Adrian Blake/553731, Charles Randall/740995, Zoe Rutherford/331445}

This option changes the student list of all headers. As a separation between name and student ID, / is used.

**Important:** The header student list is only shown if the option *pagestyle* is either set to *fancydark* or *fancylight*. Keep in mind that you need to use these {} brackets around your list. The used "Student ID" will change to "Matrikel-Nr." if *babel* with *ngerman* or *polyglossia* with *german* is used within your document.

```
\usepackage[pagestyle=fancydark, students={Lorem ipsum/123456, Lorem ipsum/123456}]{CoDeX}
```



**nameheadersize** - **regular** **wide** **narrow** *Default* = **regular**

This option changes the width class of the students list on all small headers (starting from the second page).

**Important:** The student list and so its width class is only shown if the option *pagestyle* is either set to *fancydark* or *fancylight*. The used "Student ID" with the option *nameheadersize=wide* will change to "Matrikel-Nr." if *babel* with *ngerman* or *polyglossia* with *german* is used within your document.

```
\usepackage[pagestyle=fancydark, nameheadersize=regular]{CoDeX}
```

Adrian Blake 553731 Charles Randall 740995 Zoe Rutherford 331445

montes, nascetur ridiculus mus. Aliquam tincidunt urna. Nulla ullamcorper vestibulum turpis. Pellentesque cursus luctus mauris.

Nulla malesuada porttitor diam. Donec felis erat, congue non, volutpat at, tincidunt tristique, libero. Vivamus viverra fermentum felis. Donec nonummy pellentesque ante. Phasellus adipiscing semper elit. Proin fermentum massa ac quam. Sed diam turpis, molestie vitae, placerat a, molestie nec, leo. Maecenas lacinia. Nam ipsum ligula, eleifend at, accumsan nec, suscipit a, ipsum. Morbi blandit ligula feugiat magna. Nunc eleifend consequat lorem. Sed lacinia nulla vitae enim. Pellentesque tincidunt purus vel magna. Integer non enim. Praesent euismod nunc eu purus. Donec bibendum quam in tellus. Nullam cursus pulvinar lectus. Donec et mi. Nam vulputate metus eu enim. Vestibulum pellentesque felis eu massa.

Quisque ullamcorper placerat ipsum. Cras nibh. Morbi vel justo vitae lacus tincidunt

```
\usepackage[pagestyle=fancydark, nameheadersize=wide]{CoDeX}
```

Adrian Blake, Student ID: 553731 Charles Randall, Student ID: 740995 Zoe Rutherford, Student ID: 331445

montes, nascetur ridiculus mus. Aliquam tincidunt urna. Nulla ullamcorper vestibulum turpis. Pellentesque cursus luctus mauris.

Nulla malesuada porttitor diam. Donec felis erat, congue non, volutpat at, tincidunt tristique, libero. Vivamus viverra fermentum felis. Donec nonummy pellentesque ante. Phasellus adipiscing semper elit. Proin fermentum massa ac quam. Sed diam turpis, molestie vitae, placerat a, molestie nec, leo. Maecenas lacinia. Nam ipsum ligula, eleifend at, accumsan nec, suscipit a, ipsum. Morbi blandit ligula feugiat magna. Nunc eleifend consequat lorem. Sed lacinia nulla vitae enim. Pellentesque tincidunt purus vel magna. Integer non enim. Praesent euismod nunc eu purus. Donec bibendum quam in tellus. Nullam cursus pulvinar lectus. Donec et mi. Nam vulputate metus eu enim. Vestibulum pellentesque felis eu massa.

Quisque ullamcorper placerat ipsum. Cras nibh. Morbi vel justo vitae lacus tincidunt

```
\usepackage[pagestyle=fancydark, nameheadersize=narrow]{CoDeX}
```

Adrian Blake Charles Randall Zoe Rutherford

montes, nascetur ridiculus mus. Aliquam tincidunt urna. Nulla ullamcorper vestibulum turpis. Pellentesque cursus luctus mauris.

Nulla malesuada porttitor diam. Donec felis erat, congue non, volutpat at, tincidunt tristique, libero. Vivamus viverra fermentum felis. Donec nonummy pellentesque ante. Phasellus adipiscing semper elit. Proin fermentum massa ac quam. Sed diam turpis, molestie vitae, placerat a, molestie nec, leo. Maecenas lacinia. Nam ipsum ligula, eleifend at, accumsan nec, suscipit a, ipsum. Morbi blandit ligula feugiat magna. Nunc eleifend consequat lorem. Sed lacinia nulla vitae enim. Pellentesque tincidunt purus vel magna. Integer non enim. Praesent euismod nunc eu purus. Donec bibendum quam in tellus. Nullam cursus pulvinar lectus. Donec et mi. Nam vulputate metus eu enim. Vestibulum pellentesque felis eu massa.

Quisque ullamcorper placerat ipsum. Cras nibh. Morbi vel justo vitae lacus tincidunt



## Color customization:

The following settings will redefine the color values for the color definitions provided by the package. They will only be changed for the current document. For a full color reference and usage examples, see specialised color section.

**Important:** You can not use the predefined color values provided by CoDeX. These settings are set before those are defined.

extradark - color

Default = 131313

This setting redefines CoDeXExtraDark.

```
\usepackage[extradark=59ABFF]{CoDeX}
```

CoDeXExtraDark



CoDeXExtraDark

dark - color

Default = 2A2734

This setting redefines CoDeXDark.

```
\usepackage[dark=59ABFF]{CoDeX}
```

CoDeXDark



CoDeXDark

light - color

Default = E6E6E6

This setting redefines CoDeXLight.

```
\usepackage[light=59ABFF]{CoDeX}
```

CoDeXLight



CoDeXLight

extralight - color

Default = F2F2F2

This setting redefines CoDeXExtraLight.

```
\usepackage[extralight=59ABFF]{CoDeX}
```

CoDeXExtraLight



CoDeXExtraLight

accentprimarylight - color

Default = FFD7AF

This setting redefines CoDeXAccentPrimaryLight.

```
\usepackage[accentprimarylight=59ABFF]{CoDeX}
```

CoDeXAccentPrimaryLight



CoDeXAccentPrimaryLight

**accentprimary** - color

Default = FFC78F

This setting redefines CoDeXAccentPrimary.

```
\usepackage[accentprimary=59ABFF]{CoDeX}
```

CoDeXAccentPrimary



CoDeXAccentPrimary

**accentprimarydark** - color

Default = A76625

This setting redefines CoDeXAccentPrimaryDark.

```
\usepackage[accentprimarydark=59ABFF]{CoDeX}
```

CoDeXAccentPrimaryDark



CoDeXAccentPrimaryDark

**accentsecondarylight** - color

Default = EEEBFF

This setting redefines CoDeXAccentSecondaryLight.

```
\usepackage[accentsecondarylight=59ABFF]{CoDeX}
```

CoDeXAccentSecondaryLight



CoDeXAccentSecondaryLight

**accentsecondary** - color

Default = ADA5C8

This setting redefines CoDeXAccentSecondary.

```
\usepackage[accentsecondary=59ABFF]{CoDeX}
```

CoDeXAccentSecondary



CoDeXAccentSecondary

**accentsecondarydark** - color

Default = 665B89

This setting redefines CoDeXAccentSecondaryDark.

```
\usepackage[accentsecondarydark=59ABFF]{CoDeX}
```

CoDeXAccentSecondaryDark



CoDeXAccentSecondaryDark

**accenttertiarylight** - color

Default = B5E7FF

This setting redefines CoDeXAccentTertiaryLight.

```
\usepackage[accenttertiarylight=59ABFF]{CoDeX}
```

CoDeXAccentTertiaryLight



CoDeXAccentTertiaryLight

**accenttertiary** - color

Default = 59ABFF

This setting redefines CoDeXAccentTertiary.

```
\usepackage[accenttertiary=59ABFF]{CoDeX}
```

CoDeXAccentTertiary



CoDeXAccentTertiary

**accenttertiarydark** - color

Default = 3577D7

This setting redefines CoDeXAccentTertiaryDark.

```
\usepackage[accenttertiarydark=59ABFF]{CoDeX}
```

CoDeXAccentTertiaryDark



CoDeXAccentTertiaryDark

**textondark** - color

Default = FFFFFFFF

This setting redefines the text color CoDeXTextOnDark. It should be used on top of CoDeXDark and CoDeXExtraDark. See color section for an example.

```
\usepackage[textondark=59ABFF]{CoDeX}
```

CoDeXTextOnDark



CoDeXTextOnDark

**textonlight** - color

Default = 000000

This setting redefines the text color CoDeXTextOnLight. It should be used on top of CoDeXLight and CoDeXExtraLight. See color section for an example.

```
\usepackage[textonlight=59ABFF]{CoDeX}
```

CoDeXTextOnLight



CoDeXTextOnLight

`textonprimaryaccentlight` - color *Default* = 2A2734

This setting redefines the text color `CoDeXTextOnPrimaryAccentLight`. It should be used on top of `CoDeXAccentPrimaryLight`. See color section for an example.

```
\usepackage[textonprimaryaccentlight=59ABFF]{CoDeX}
```

`CoDeXTextOnPrimaryAccentLight`



`CoDeXTextOnPrimaryAccentLight`

`textonprimaryaccent` - color *Default* = 2A2734

This setting redefines the text color `CoDeXTextOnPrimaryAccent`. It should be used on top of `CoDeXAccentPrimary`. See color section for an example.

```
\usepackage[textonprimaryaccent=59ABFF]{CoDeX}
```

`CoDeXTextOnPrimaryAccent`



`CoDeXTextOnPrimaryAccent`

`textonprimaryaccentdark` - color *Default* = FFFFFF

This setting redefines the text color `CoDeXTextOnPrimaryAccentDark`. It should be used on top of `CoDeXAccentPrimaryDark`. See color section for an example.

```
\usepackage[textonprimaryaccentdark=59ABFF]{CoDeX}
```

`CoDeXTextOnPrimaryAccentDark`



`CoDeXTextOnPrimaryAccentDark`

`textonsecondaryaccentlight` - color *Default* = 2A2734

This setting redefines the text color `CoDeXTextOnSecondaryAccentLight`. It should be used on top of `CoDeXAccentSecondaryLight`. See color section for an example.

```
\usepackage[textonsecondaryaccentlight=59ABFF]{CoDeX}
```

`CoDeXTextOnSecondaryAccentLight`



`CoDeXTextOnSecondaryAccentLight`

`textonsecondaryaccent` - color *Default* = FFFFFF

This setting redefines the text color `CoDeXTextOnSecondaryAccent`. It should be used on top of `CoDeXAccentSecondary`. See color section for an example.

```
\usepackage[textonsecondaryaccent=59ABFF]{CoDeX}
```

`CoDeXTextOnSecondaryAccent`



`CoDeXTextOnSecondaryAccent`

`textonsecondaryaccentdark` - color

*Default* = FFFFFF

This setting redefines the text color `CoDeXTextOnSecondaryAccentDark`. It should be used on top of `CoDeXAccentSecondaryDark`. See color section for an example.

```
\usepackage[textonsecondaryaccentdark=59ABFF]{CoDeX}
```

`CoDeXTextOnSecondaryAccentDark`



`CoDeXTextOnSecondaryAccentDark`

`textontertiaryaccentlight` - color

*Default* = 2A2734

This setting redefines the text color `CoDeXTextOnTertiaryAccentLight`. It should be used on top of `CoDeXAccentTertiaryLight`. See color section for an example.

```
\usepackage[textontertiaryaccentlight=59ABFF]{CoDeX}
```

`CoDeXTextOnTertiaryAccentLight`



`CoDeXTextOnTertiaryAccentLight`

`textontertiaryaccent` - color

*Default* = FFFFFF

This setting redefines the text color `CoDeXTextOnTertiaryAccent`. It should be used on top of `CoDeXAccentTertiary`. See color section for an example.

```
\usepackage[textontertiaryaccent=59ABFF]{CoDeX}
```

`CoDeXTextOnTertiaryAccent`



`CoDeXTextOnTertiaryAccent`

`textontertiaryaccentdark` - color

*Default* = FFFFFF

This setting redefines the text color `CoDeXTextOnTertiaryAccentDark`. It should be used on top of `CoDeXAccentTertiaryDark`. See color section for an example.

```
\usepackage[textontertiaryaccentdark=59ABFF]{CoDeX}
```

`CoDeXTextOnTertiaryAccentDark`



`CoDeXTextOnTertiaryAccentDark`

## Codebox

### Default style:

This is the default styling of a codebox if you set no additional options. You only need the filename and the language which is used for syntax highlighting in minted or listings. The filename is only for display. This means you could also type in anything else, e.g. maths with  $\$$  or italic styling with `\textit{}`. Both arguments are required.

**Important:** The indentation of the code is exactly copied! So the code should always be left-aligned in your editor no matter the indentation of the `\begin{codebox}` command.

Fruity.py

Python

```
def sweet_fruits(fruits):
    for fruit in fruits:
        if fruit != "lemon": # No lemons allowed!
            print(fruit)
    sweet_fruits("apple", "orange", "lemon")
```

```
\begin{cdxcodebox}{Fruity.py}{Python}
def sweet_fruits(fruits):
    for fruit in fruits:
        if fruit != "lemon": # No lemons allowed!
            print(fruit)
    sweet_fruits("apple", "orange", "lemon")
\end{cdxcodebox}
```

LaTeX

### Equivalent style with explicitly set options:

```
\begin{cdxcodebox}[showfile=true, showlanguage=true, filebgcolor=CoDeXDark, filetextcolor=CoDeXTextOnDark,
    languagebgcolor=CoDeXExtraDark, languagetextcolor=CoDeXAccentSecondary, codebgcolor=CoDeXDark,
    codeboxgapcolor=CoDeXAccentPrimary, codeboxgapsize=0.15cm, codestyle=dark]{Fruity.py}{Python}
def sweet_fruits(fruits):
    for fruit in fruits:
        if fruit != "lemon": # No lemons allowed!
            print(fruit)
    sweet_fruits("apple", "orange", "lemon")
\end{cdxcodebox}
```

LaTeX

### Escaping out of a codebox:

Within a codebox, you can escape any  $\text{\LaTeX}$ -command that should be executed with a  $\$$  (section sign), e.g. maths.

Fruity.py

Python

```
def sweet_fruits(fruits):
    for fruit in fruits: #  $\forall f \in F$ 
        if fruit != "lemon": # No lemons allowed!
            print(fruit)
    sweet_fruits("apple", "orange", "lemon")
```

```
\begin{cdxcodebox}{Fruity.py}{Python}
def sweet_fruits(fruits):
    for fruit in fruits: #  $\forall f \in F$ 
        if fruit != "lemon": # No lemons allowed!
            print(fruit)
    sweet_fruits("apple", "orange", "lemon")
\end{cdxcodebox}
```

LaTeX

Fruity.py

Python

```
def sweet_fruits(fruits):
    for fruit in fruits:
        if fruit != "lemon": # No lemons allowed!
            print(fruit)
    -----
    sweet_fruits("apple", "orange", "lemon")
```

```
\begin{cdxcodebox}{Fruity.py}{Python}
def sweet_fruits(fruits):
    for fruit in fruits:
        if fruit != "lemon": # No lemons allowed!
            print(fruit) $\$$ \tcblines $\$$ 
    sweet_fruits("apple", "orange", "lemon")
\end{cdxcodebox}
```

LaTeX

## Customization options:

showfile - `true` `false`

Default = `true`

This option changes the visibility of the filename. If the language is set to be shown, it will be either displayed in the box of the filename or in the box that contains the code if `showfile` is set to `false`.

<pre>Fruity.py Python def sweet_fruits(fruits):     for fruit in fruits:         if fruit != "lemon": # No lemons allowed!             print(fruit)     sweet_fruits("apple", "orange", "lemon")</pre>	<pre>\begin{cdxcodebox}[showfile=true]{Fruity.py}{     Python} def sweet_fruits(fruits):     for fruit in fruits:         if fruit != "lemon": # No lemons allowed!             print(fruit)     sweet_fruits("apple", "orange", "lemon") \end{cdxcodebox}</pre> <p>LaTeX</p>
<pre>def sweet_fruits(fruits):     for fruit in fruits:         if fruit != "lemon": # No lemons allowed!             print(fruit)     sweet_fruits("apple", "orange", "lemon") Python</pre>	<pre>\begin{cdxcodebox}[showfile=false]{Fruity.py}{     Python} def sweet_fruits(fruits):     for fruit in fruits:         if fruit != "lemon": # No lemons allowed!             print(fruit)     sweet_fruits("apple", "orange", "lemon") \end{cdxcodebox}</pre> <p>LaTeX</p>

showlanguage - `true` `false`

Default = `true`

This option changes the visibility of the language in the top right corner. If the filename is set to be shown, the language will be displayed in the box of the filename and otherwise in the box that contains the code.

<pre>Fruity.py Python def sweet_fruits(fruits):     for fruit in fruits:         if fruit != "lemon": # No lemons allowed!             print(fruit)     sweet_fruits("apple", "orange", "lemon")</pre>	<pre>\begin{cdxcodebox}[showlanguage=true]{     Fruity.py}{Python} def sweet_fruits(fruits):     for fruit in fruits:         if fruit != "lemon": # No lemons allowed!             print(fruit)     sweet_fruits("apple", "orange", "lemon") \end{cdxcodebox}</pre> <p>LaTeX</p>
<pre>Fruity.py def sweet_fruits(fruits):     for fruit in fruits:         if fruit != "lemon": # No lemons allowed!             print(fruit)     sweet_fruits("apple", "orange", "lemon")</pre>	<pre>\begin{cdxcodebox}[showlanguage=false]{     Fruity.py}{Python} def sweet_fruits(fruits):     for fruit in fruits:         if fruit != "lemon": # No lemons allowed!             print(fruit)     sweet_fruits("apple", "orange", "lemon") \end{cdxcodebox}</pre> <p>LaTeX</p>

filebgcolor - `color`

Default = `CoDeXDark`

This option changes the background color of the box that contains the filename. The package `xcolor` is used.

<pre>Fruity.py Python def sweet_fruits(fruits):     for fruit in fruits:         if fruit != "lemon": # No lemons allowed!             print(fruit)     sweet_fruits("apple", "orange", "lemon")</pre>	<pre>\begin{cdxcodebox}[filebgcolor=     CoDeXAccentTertiary]{Fruity.py}{Python} def sweet_fruits(fruits):     for fruit in fruits:         if fruit != "lemon": # No lemons allowed!             print(fruit)     sweet_fruits("apple", "orange", "lemon") \end{cdxcodebox}</pre> <p>LaTeX</p>
--	---

**filetextcolor** - **color***Default* = **CoDeXTextOnDark**

This option changes the text color of the filename. The package `xcolor` is used.

Fruity.py
Python

LaTeX

```
def sweet_fruits(fruits):
    for fruit in fruits:
        if fruit != "lemon": # No lemons allowed!
            print(fruit)
    sweet_fruits("apple", "orange", "lemon")
```

```
\begin{cdxcodebox}[filetextcolor=
    CoDeXAccentTertiary]{Fruity.py}{Python}
def sweet_fruits(fruits):
    for fruit in fruits:
        if fruit != "lemon": # No lemons allowed!
            print(fruit)
    sweet_fruits("apple", "orange", "lemon")
\end{cdxcodebox}
```

**languagebgcolor** - **color***Default* = **CoDeXExtraDark**

This option changes the background color of the box that contains the used language. The package `xcolor` is used.

Fruity.py
Python

LaTeX

```
def sweet_fruits(fruits):
    for fruit in fruits:
        if fruit != "lemon": # No lemons allowed!
            print(fruit)
    sweet_fruits("apple", "orange", "lemon")
```

```
\begin{cdxcodebox}[languagebgcolor=
    CoDeXAccentTertiary]{Fruity.py}{Python}
def sweet_fruits(fruits):
    for fruit in fruits:
        if fruit != "lemon": # No lemons allowed!
            print(fruit)
    sweet_fruits("apple", "orange", "lemon")
\end{cdxcodebox}
```

**languagegettextcolor** - **color***Default* = **CoDeXAccentSecondary**

This option changes the text color of the displayed language. The package `xcolor` is used.

Fruity.py
Python

LaTeX

```
def sweet_fruits(fruits):
    for fruit in fruits:
        if fruit != "lemon": # No lemons allowed!
            print(fruit)
    sweet_fruits("apple", "orange", "lemon")
```

```
\begin{cdxcodebox}[languagegettextcolor=
    CoDeXAccentTertiary]{Fruity.py}{Python}
def sweet_fruits(fruits):
    for fruit in fruits:
        if fruit != "lemon": # No lemons allowed!
            print(fruit)
    sweet_fruits("apple", "orange", "lemon")
\end{cdxcodebox}
```

**codebgcolor** - **color***Default* = **CoDeXDark**

This option changes the text background color of the box that contains the code. The package `xcolor` is used.

Fruity.py
Python

LaTeX

```
def sweet_fruits(fruits):
    for fruit in fruits:
        if fruit != "lemon": # No lemons allowed!
            print(fruit)
    sweet_fruits("apple", "orange", "lemon")
```

```
\begin{cdxcodebox}[codebgcolor=
    CoDeXAccentTertiary]{Fruity.py}{Python}
def sweet_fruits(fruits):
    for fruit in fruits:
        if fruit != "lemon": # No lemons allowed!
            print(fruit)
    sweet_fruits("apple", "orange", "lemon")
\end{cdxcodebox}
```



**codeboxgapcolor** - **color***Default* = **CoDeXAccentPrimary**

This option changes the color of the colorful stripe between the filename-box and the code-box. The package `xcolor` is used.

Fruity.py Python

```
def sweet_fruits(fruits):
    for fruit in fruits:
        if fruit != "lemon": # No lemons allowed!
            print(fruit)
    sweet_fruits("apple", "orange", "lemon")
```

LaTeX

```
\begin{cdxcodebox}[codeboxgapcolor=
    CoDeXAccentTertiary]{Fruity.py}{Python}
def sweet_fruits(fruits):
    for fruit in fruits:
        if fruit != "lemon": # No lemons allowed!
            print(fruit)
    sweet_fruits("apple", "orange", "lemon")
\end{cdxcodebox}
```

**codeboxgapsize** - **measurement***Default* = **0.15cm**

This option changes the height of the colorful stripe between the filename-box and the code-box. The value could be in all available measurements, e.g. cm, mm, pt, ...

Fruity.py Python

```
def sweet_fruits(fruits):
    for fruit in fruits:
        if fruit != "lemon": # No lemons allowed!
            print(fruit)
    sweet_fruits("apple", "orange", "lemon")
```

LaTeX

```
\begin{cdxcodebox}[codeboxgapsize=0.45cm]{
    Fruity.py}{Python}
def sweet_fruits(fruits):
    for fruit in fruits:
        if fruit != "lemon": # No lemons allowed!
            print(fruit)
    sweet_fruits("apple", "orange", "lemon")
\end{cdxcodebox}
```

**codestyle** - **dark** **light***Default* = **dark**

This option changes the colors of the syntax highlighted code to make it possible for it to be displayed on dark and light backgrounds. There are two possible styles.

**Note:** To properly see the highlighted code with the option *light*, we also changed the *codebgcolor*. This is not needed.

Fruity.py Python

```
def sweet_fruits(fruits):
    for fruit in fruits:
        if fruit != "lemon": # No lemons allowed!
            print(fruit)
    sweet_fruits("apple", "orange", "lemon")
```

LaTeX

```
\begin{cdxcodebox}[codestyle=dark]{Fruity.py}{
    Python}
def sweet_fruits(fruits):
    for fruit in fruits:
        if fruit != "lemon": # No lemons allowed!
            print(fruit)
    sweet_fruits("apple", "orange", "lemon")
\end{cdxcodebox}
```

Fruity.py Python

```
def sweet_fruits(fruits):
    for fruit in fruits:
        if fruit != "lemon": # No lemons allowed!
            print(fruit)
    sweet_fruits("apple", "orange", "lemon")
```

LaTeX

```
\begin{cdxcodebox}[codestyle=light, codebgcolor=
    CoDeXExtraLight]{Fruity.py}{Python}
def sweet_fruits(fruits):
    for fruit in fruits:
        if fruit != "lemon": # No lemons allowed!
            print(fruit)
    sweet_fruits("apple", "orange", "lemon")
\end{cdxcodebox}
```

## Textbox

### Default style:

This is the default styling of a textbox if you set no additional options. There are no required options. The title is set by optional arguments. This is a big difference compared to the codebox.

#### Default Title

Lorem ipsum dolor sit amet, consectetur adipiscing elit.  
Nullam elit arcu, vestibulum in mollis non, ultrices non velit.

```
\begin{cdxtextbox}
Lorem ipsum dolor sit amet, consectetur adipiscing elit.
Nullam elit arcu, vestibulum in mollis non, ultrices
non velit.
\end{cdxtextbox}
```

LaTeX

### Equivalent style with explicitly set options:

```
\begin{cdxtextbox}[title=Default Title, overlaytitle=Overlay Title, overlaypos=middle, showtitle=true,
showoverlaytitle=false, titlebgcolor=CoDeXAccentPrimary, titletextcolor=CoDeXTextOnPrimaryAccent,
overlaytitlebgcolor=CoDeXAccentPrimaryLight, overlaytitletextcolor=CoDeXTextOnPrimaryAccent, titleborder=none,
titlebordercolor=CoDeXDark, titlebordergapcolor=transparent, showbody=true, bodybgcolor=CoDeXExtraLight,
bodytextcolor=CoDeXTextOnLight, bodyborder=none, bodybordercolor=CoDeXDark, bodybordergapcolor=transparent,
textboxgapcolor=white, textboxgapsize=0.15cm, showgrid=false, gridcolor=CoDeXLight, showleftline=false,
leftlinecolor=CoDeXAccentPrimary]
Lorem ipsum dolor sit amet, consectetur adipiscing elit.
Nullam elit arcu, vestibulum in mollis non, ultrices
non velit.
\end{cdxtextbox}
```

LaTeX

### Customization options:

title - **text**

Default = **Default Title**

This option changes the title.

#### Lorem ipsum

Lorem ipsum dolor sit amet, consectetur adipiscing elit.  
Nullam elit arcu, vestibulum in mollis non, ultrices non velit.

```
\begin{cdxtextbox}[title=Lorem ipsum]
Lorem ipsum dolor sit amet, consectetur adipiscing elit.
Nullam elit arcu, vestibulum in mollis non, ultrices
non velit.
\end{cdxtextbox}
```

LaTeX

overlaytitle - **text**

Default = **Overlay Title**

This option changes the overlay title.

**Important:** The changed overlay title is only shown, if the option `showoverlaytitle` is set to `true`.

#### Default Title

#### Lorem ipsum

Lorem ipsum dolor sit amet, consectetur adipiscing elit.  
Nullam elit arcu, vestibulum in mollis non, ultrices non velit.

```
\begin{cdxtextbox}[overlaytitle=Lorem ipsum,
showoverlaytitle=true]
Lorem ipsum dolor sit amet, consectetur adipiscing elit.
Nullam elit arcu, vestibulum in mollis non, ultrices
non velit.
\end{cdxtextbox}
```

LaTeX

overlaypos - **middle** **right**

Default = **middle**

This option changes the position of the overlay title. There are two possible values.

**Important:** The changed overlay position is only shown, if the option `showoverlaytitle` is set to `true`.

Default Title

Overlay Title

Lorem ipsum dolor sit amet, consectetur adipiscing elit.  
Nullam elit arcu, vestibulum in mollis non, ultrices non velit.

```
\begin{cdxtextbox}[overlaypos=middle,
  showoverlaytitle=true]
Lorem ipsum dolor sit amet, consectetur adipiscing elit.
Nullam elit arcu, vestibulum in mollis non, ultrices
non velit.
\end{cdxtextbox}
```

LaTeX

Default Title

Overlay Title

Lorem ipsum dolor sit amet, consectetur adipiscing elit.  
Nullam elit arcu, vestibulum in mollis non, ultrices non velit.

```
\begin{cdxtextbox}[overlaypos=right,
  showoverlaytitle=true]
Lorem ipsum dolor sit amet, consectetur adipiscing elit.
Nullam elit arcu, vestibulum in mollis non, ultrices
non velit.
\end{cdxtextbox}
```

LaTeX

showtitle - **true** **false**

Default = **true**

This option changes the visibility of the box that contains the title and overlay title.

Default Title

Lorem ipsum dolor sit amet, consectetur adipiscing elit.  
Nullam elit arcu, vestibulum in mollis non, ultrices non velit.

```
\begin{cdxtextbox}[showtitle=true]
Lorem ipsum dolor sit amet, consectetur adipiscing elit.
Nullam elit arcu, vestibulum in mollis non, ultrices
non velit.
\end{cdxtextbox}
```

LaTeX

Lorem ipsum dolor sit amet, consectetur adipiscing elit.  
Nullam elit arcu, vestibulum in mollis non, ultrices non velit.

```
\begin{cdxtextbox}[showtitle=false]
Lorem ipsum dolor sit amet, consectetur adipiscing elit.
Nullam elit arcu, vestibulum in mollis non, ultrices
non velit.
\end{cdxtextbox}
```

LaTeX

showoverlaytitle - **true** **false**

Default = **true**

This option changes the visibility of the overlay title.

Default Title

Overlay Title

Lorem ipsum dolor sit amet, consectetur adipiscing elit.  
Nullam elit arcu, vestibulum in mollis non, ultrices non velit.

```
\begin{cdxtextbox}[showoverlaytitle=true]
Lorem ipsum dolor sit amet, consectetur adipiscing elit.
Nullam elit arcu, vestibulum in mollis non, ultrices
non velit.
\end{cdxtextbox}
```

LaTeX

Default Title

Lorem ipsum dolor sit amet, consectetur adipiscing elit.  
Nullam elit arcu, vestibulum in mollis non, ultrices non velit.

```
\begin{cdxtextbox}[showoverlaytitle=false]
Lorem ipsum dolor sit amet, consectetur adipiscing elit.
Nullam elit arcu, vestibulum in mollis non, ultrices
non velit.
\end{cdxtextbox}
```

LaTeX

`titlebgcolor` - color

Default = CoDeXAccentPrimary

This option changes the background color of the box that contains the title and overlay title. The package `xcolor` is used.

#### Default Title

Lorem ipsum dolor sit amet, consectetur adipiscing elit.  
Nullam elit arcu, vestibulum in mollis non, ultrices non velit.

```
\begin{cdxtextbox}[titlebgcolor=
  CoDeXAccentTertiary]
Lorem ipsum dolor sit amet, consectetur adipiscing elit.
Nullam elit arcu, vestibulum in mollis non, ultrices
non velit.
\end{cdxtextbox}
```

LaTeX

`titletextcolor` - color

Default = CoDeXTextOnPrimaryAccent

This option changes the color of the title. The package `xcolor` is used.

#### Default Title

Lorem ipsum dolor sit amet, consectetur adipiscing elit.  
Nullam elit arcu, vestibulum in mollis non, ultrices non velit.

```
\begin{cdxtextbox}[titletextcolor=
  CoDeXAccentTertiary]
Lorem ipsum dolor sit amet, consectetur adipiscing elit.
Nullam elit arcu, vestibulum in mollis non, ultrices
non velit.
\end{cdxtextbox}
```

LaTeX

`overlaytitlebgcolor` - color

Default = CoDeXAccentPrimaryLight

This option changes the background color of the box that contains the overlay title. The package `xcolor` is used.

**Important:** The changed overlay title is only shown, if the option `showoverlaytitle` is set to `true`.

#### Default Title

#### Overlay Title

Lorem ipsum dolor sit amet, consectetur adipiscing elit.  
Nullam elit arcu, vestibulum in mollis non, ultrices non velit.

```
\begin{cdxtextbox}[overlaytitlebgcolor=
  CoDeXAccentTertiary, showoverlaytitle=true]
Lorem ipsum dolor sit amet, consectetur adipiscing elit.
Nullam elit arcu, vestibulum in mollis non, ultrices
non velit.
\end{cdxtextbox}
```

LaTeX

`overlaytitletextcolor` - color

Default = CoDeXTextOnPrimaryAccent

This option changes the color of the overlay title. The package `xcolor` is used.

**Important:** The changed overlay title is only shown, if the option `showoverlaytitle` is set to `true`.

#### Default Title

#### Overlay Title

Lorem ipsum dolor sit amet, consectetur adipiscing elit.  
Nullam elit arcu, vestibulum in mollis non, ultrices non velit.

```
\begin{cdxtextbox}[overlaytitletextcolor=
  CoDeXAccentTertiary, showoverlaytitle=true]
Lorem ipsum dolor sit amet, consectetur adipiscing elit.
Nullam elit arcu, vestibulum in mollis non, ultrices
non velit.
\end{cdxtextbox}
```

LaTeX

`titleborder` - `none` `dashed` `solid`

Default = `none`

This option enables or changes the border that is drawn around the box that contains the title and overlay title. There are three possible values.

#### Default Title

Lorem ipsum dolor sit amet, consectetur adipiscing elit.  
Nullam elit arcu, vestibulum in mollis non, ultrices non velit.

```
\begin{cdxtextbox}[titleborder=none]
Lorem ipsum dolor sit amet, consectetur adipiscing elit.
Nullam elit arcu, vestibulum in mollis non, ultrices
non velit.
\end{cdxtextbox}
```

LaTeX

#### Default Title

Lorem ipsum dolor sit amet, consectetur adipiscing elit.  
Nullam elit arcu, vestibulum in mollis non, ultrices non velit.

```
\begin{cdxtextbox}[titleborder=dashed]
Lorem ipsum dolor sit amet, consectetur adipiscing elit.
Nullam elit arcu, vestibulum in mollis non, ultrices
non velit.
\end{cdxtextbox}
```

LaTeX

#### Default Title

Lorem ipsum dolor sit amet, consectetur adipiscing elit.  
Nullam elit arcu, vestibulum in mollis non, ultrices non velit.

```
\begin{cdxtextbox}[titleborder=solid]
Lorem ipsum dolor sit amet, consectetur adipiscing elit.
Nullam elit arcu, vestibulum in mollis non, ultrices
non velit.
\end{cdxtextbox}
```

LaTeX

`titlebordercolor` - `color`

Default = `CoDeXDark`

This option changes the color of the border that is drawn around the box that contains the title and overlay title. The package `xcolor` is used.

**Important:** The changed border color is only visible, if the option `titleborder` is either set to *dashed* or *solid*.

#### Default Title

Lorem ipsum dolor sit amet, consectetur adipiscing elit.  
Nullam elit arcu, vestibulum in mollis non, ultrices non velit.

```
\begin{cdxtextbox}[titlebordercolor=
CoDeXAccentTertiary, titleborder=dashed]
Lorem ipsum dolor sit amet, consectetur adipiscing elit.
Nullam elit arcu, vestibulum in mollis non, ultrices
non velit.
\end{cdxtextbox}
```

LaTeX

#### Default Title

Lorem ipsum dolor sit amet, consectetur adipiscing elit.  
Nullam elit arcu, vestibulum in mollis non, ultrices non velit.

```
\begin{cdxtextbox}[titlebordercolor=
CoDeXAccentTertiary, titleborder=solid]
Lorem ipsum dolor sit amet, consectetur adipiscing elit.
Nullam elit arcu, vestibulum in mollis non, ultrices
non velit.
\end{cdxtextbox}
```

LaTeX

`titlebordergapcolor` - `color`

*Default* = `transparent`

This option changes the color between the border segments that are drawn around the box that contains the title and overlay title with the dashed mode. The package `xcolor` is used.

**Important:** The changed border gap color is only visible, if the option `titleborder` is set to `dashed`.

Default Title

Lorem ipsum dolor sit amet, consectetur adipiscing elit.  
Nullam elit arcu, vestibulum in mollis non, ultrices non velit.

```
\begin{cdxtextbox}[titlebordergapcolor=
  CoDeXAccentTertiary, titleborder=dashed]
Lorem ipsum dolor sit amet, consectetur adipiscing elit.
Nullam elit arcu, vestibulum in mollis non, ultrices
non velit.
\end{cdxtextbox}
```

LaTeX

`showbody` - `true` `false`

*Default* = `true`

This option changes the visibility of the box that contains the main text.

Default Title

Lorem ipsum dolor sit amet, consectetur adipiscing elit.  
Nullam elit arcu, vestibulum in mollis non, ultrices non velit.

```
\begin{cdxtextbox}[showbody=true]
Lorem ipsum dolor sit amet, consectetur adipiscing elit.
Nullam elit arcu, vestibulum in mollis non, ultrices
non velit.
\end{cdxtextbox}
```

LaTeX

Default Title

```
\begin{cdxtextbox}[showbody=false]
Lorem ipsum dolor sit amet, consectetur adipiscing elit.
Nullam elit arcu, vestibulum in mollis non, ultrices
non velit.
\end{cdxtextbox}
```

LaTeX

`bodybgcolor` - `color`

*Default* = `CoDeXExtraLight`

This option changes the background color of the box that contains the main text. The package `xcolor` is used.

Default Title

Lorem ipsum dolor sit amet, consectetur adipiscing elit.  
Nullam elit arcu, vestibulum in mollis non, ultrices non velit.

```
\begin{cdxtextbox}[bodybgcolor=
  CoDeXAccentTertiary]
Lorem ipsum dolor sit amet, consectetur adipiscing elit.
Nullam elit arcu, vestibulum in mollis non, ultrices
non velit.
\end{cdxtextbox}
```

LaTeX

`bodytextcolor` - `color`

*Default* = `CoDeXTextOnLight`

This option changes the color of the main text. The package `xcolor` is used.

Default Title

Lorem ipsum dolor sit amet, consectetur adipiscing elit.  
Nullam elit arcu, vestibulum in mollis non, ultrices non velit.

```
\begin{cdxtextbox}[bodytextcolor=
  CoDeXAccentTertiary]
Lorem ipsum dolor sit amet, consectetur adipiscing elit.
Nullam elit arcu, vestibulum in mollis non, ultrices
non velit.
\end{cdxtextbox}
```

LaTeX

**bodyborder** - none dashed solid

Default = none

This option enables or changes the border that is drawn around the box that contains the main text. There are three possible values.

#### Default Title

Lorem ipsum dolor sit amet, consectetur adipiscing elit.  
Nullam elit arcu, vestibulum in mollis non, ultrices non velit.

```
\begin{cdxtextbox}[bodyborder=none]
Lorem ipsum dolor sit amet, consectetur adipiscing elit.
Nullam elit arcu, vestibulum in mollis non, ultrices
non velit.
\end{cdxtextbox}
```

LaTeX

#### Default Title

Lorem ipsum dolor sit amet, consectetur adipiscing elit.  
Nullam elit arcu, vestibulum in mollis non, ultrices non velit.

```
\begin{cdxtextbox}[bodyborder=dashed]
Lorem ipsum dolor sit amet, consectetur adipiscing elit.
Nullam elit arcu, vestibulum in mollis non, ultrices
non velit.
\end{cdxtextbox}
```

LaTeX

#### Default Title

Lorem ipsum dolor sit amet, consectetur adipiscing elit.  
Nullam elit arcu, vestibulum in mollis non, ultrices non velit.

```
\begin{cdxtextbox}[bodyborder=solid]
Lorem ipsum dolor sit amet, consectetur adipiscing elit.
Nullam elit arcu, vestibulum in mollis non, ultrices
non velit.
\end{cdxtextbox}
```

LaTeX

**bodybordercolor** - color

Default = CoDeXDark

This option changes the color of the border that is drawn around the box that contains the main text. The package xcolor is used.

**Important:** The changed border color is only visible, if the option *bodyborder* is either set to *dashed* or *solid*.

#### Default Title

Lorem ipsum dolor sit amet, consectetur adipiscing elit.  
Nullam elit arcu, vestibulum in mollis non, ultrices non velit.

```
\begin{cdxtextbox}[bodybordercolor=
CoDeXAccentTertiary, bodyborder=dashed]
Lorem ipsum dolor sit amet, consectetur adipiscing elit.
Nullam elit arcu, vestibulum in mollis non, ultrices
non velit.
\end{cdxtextbox}
```

LaTeX

#### Default Title

Lorem ipsum dolor sit amet, consectetur adipiscing elit.  
Nullam elit arcu, vestibulum in mollis non, ultrices non velit.

```
\begin{cdxtextbox}[bodybordercolor=
CoDeXAccentTertiary, bodyborder=solid]
Lorem ipsum dolor sit amet, consectetur adipiscing elit.
Nullam elit arcu, vestibulum in mollis non, ultrices
non velit.
\end{cdxtextbox}
```

LaTeX

bodybordergapcolor - color

Default = transparent

This option changes the color between the border segments that are drawn around the box that contains the main text with the dashed mode. The package xcolor is used.

**Important:** The changed border gap color is only visible, if the option bodyborder is set to dashed.

Default Title

Lorem ipsum dolor sit amet, consectetur adipiscing elit.  
Nullam elit arcu, vestibulum in mollis non, ultrices non velit.

```
\begin{cdxtextbox}[bodybordergapcolor=
  CoDeXAccentTertiary, bodyborder=dashed]
Lorem ipsum dolor sit amet, consectetur adipiscing elit.
Nullam elit arcu, vestibulum in mollis non, ultrices
non velit.
\end{cdxtextbox}
```

LaTeX

textboxgapcolor - color

Default = white

This option changes the color of the colorful stripe between the title-box and the text-box. The package xcolor is used.

Default Title

Lorem ipsum dolor sit amet, consectetur adipiscing elit.  
Nullam elit arcu, vestibulum in mollis non, ultrices non velit.

```
\begin{cdxtextbox}[textboxgapcolor=
  CoDeXAccentTertiary]
Lorem ipsum dolor sit amet, consectetur adipiscing elit.
Nullam elit arcu, vestibulum in mollis non, ultrices
non velit.
\end{cdxtextbox}
```

LaTeX

textboxgapsize - measurement

Default = 0.15cm

This option changes the height of the colorful stripe between the title-box and the text-box. The value could be in all available measurements, e.g. cm, mm, pt, ...

**Note:** To make the increased gap size in the example more obvious, we also changed the textboxgapcolor. This is not needed.

Default Title

Lorem ipsum dolor sit amet, consectetur adipiscing elit.  
Nullam elit arcu, vestibulum in mollis non, ultrices non velit.

```
\begin{cdxtextbox}[textboxgapsize=0.45cm,
  textboxgapcolor=CoDeXAccentTertiary]
Lorem ipsum dolor sit amet, consectetur adipiscing elit.
Nullam elit arcu, vestibulum in mollis non, ultrices
non velit.
\end{cdxtextbox}
```

LaTeX

showgrid - true false

Default = false

This option changes the visibility of a grid pattern that will be shown in the box that contains the main text.

Default Title

Lorem ipsum dolor sit amet, consectetur adipiscing elit.  
Nullam elit arcu, vestibulum in mollis non, ultrices non velit.

```
\begin{cdxtextbox}[showgrid=true]
Lorem ipsum dolor sit amet, consectetur adipiscing elit.
Nullam elit arcu, vestibulum in mollis non, ultrices
non velit.
\end{cdxtextbox}
```

LaTeX

Default Title

Lorem ipsum dolor sit amet, consectetur adipiscing elit.  
Nullam elit arcu, vestibulum in mollis non, ultrices non velit.

```
\begin{cdxtextbox}[showgrid=false]
Lorem ipsum dolor sit amet, consectetur adipiscing elit.
Nullam elit arcu, vestibulum in mollis non, ultrices
non velit.
\end{cdxtextbox}
```

LaTeX



**gridcolor** - color

Default = CoDeXLight

This option changes the color of the optional grid pattern in the box that contains the main text. The package `xcolor` is used.

**Important:** The changed grid color is only visible, if the option `showgrid` is set to `true`.

**Default Title**

Lorem ipsum dolor sit amet, consectetur adipiscing elit.  
Nullam elit arcu, vestibulum in mollis non, ultrices non velit.

```
\begin{cdxtextbox}[gridcolor=CoDeXAccentTertiary,
  showgrid=true]
Lorem ipsum dolor sit amet, consectetur adipiscing elit.
Nullam elit arcu, vestibulum in mollis non, ultrices
non velit.
\end{cdxtextbox}
```

LaTeX

**showleftline** - true false

Default = false

This option changes the visibility of a decorative line at the left side of the entire box. The rounded corners on the left side will be automatically removed.

**Default Title**

Lorem ipsum dolor sit amet, consectetur adipiscing elit.  
Nullam elit arcu, vestibulum in mollis non, ultrices non velit.

```
\begin{cdxtextbox}[showleftline=true]
Lorem ipsum dolor sit amet, consectetur adipiscing elit.
Nullam elit arcu, vestibulum in mollis non, ultrices
non velit.
\end{cdxtextbox}
```

LaTeX

**Default Title**

Lorem ipsum dolor sit amet, consectetur adipiscing elit.  
Nullam elit arcu, vestibulum in mollis non, ultrices non velit.

```
\begin{cdxtextbox}[showleftline=false]
Lorem ipsum dolor sit amet, consectetur adipiscing elit.
Nullam elit arcu, vestibulum in mollis non, ultrices
non velit.
\end{cdxtextbox}
```

LaTeX

**leftlinecolor** - color

Default = CoDeXAccentPrimary

This option changes the color of the optional decorative left line. The package `xcolor` is used.

**Important:** The changed color of the decorative left line is only visible, if the option `showleftline` is set to `true`.

**Default Title**

Lorem ipsum dolor sit amet, consectetur adipiscing elit.  
Nullam elit arcu, vestibulum in mollis non, ultrices non velit.

```
\begin{cdxtextbox}[leftlinecolor=
  CoDeXAccentTertiary, showleftline=true]
Lorem ipsum dolor sit amet, consectetur adipiscing elit.
Nullam elit arcu, vestibulum in mollis non, ultrices
non velit.
\end{cdxtextbox}
```

LaTeX