

# Converting Colors

Hex(237A85)

Have a look what the booklet for  
Hex(237A85) contains.

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**Color**

**Hex(237A85)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	237A85
RGB	35, 122, 133
RGB Percent	14%, 48%, 52%
CMY	0.8627, 0.5216, 0.4784
CMYK	0.74, 0.08, 0.00, 0.48
HSL	187°, 58%, 33%
HSV	187°, 74%, 52%
XYZ	11.8863, 15.9698, 24.6463
YIQ	97.2410, -55.3830, -15.0230

# Conversions

## Conversions Part 2

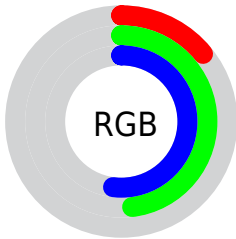
<b>Format</b>	<b>Color</b>
<b>RYB</b>	35, 81, 133
Decimal	2325125
CIELab	46.93, -21.23, -13.38
CIELCh	47, 25.097, 212.216
Yxy	15.9698, 0.2264, 0.3042
Android (android.graphics.Color)	4280515205 (0xFF237A85)
YUV	97.2410, 17.6292, -54.5854
Hunter-Lab	39.9623, -16.8413, -8.5929

# Details

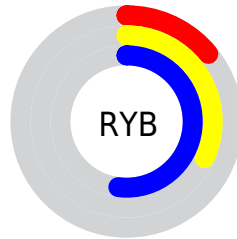
The Hex color **237A85** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **852E23**, and the grayscale version is **616161**.

A 20% lighter version of the original color is **5FAFBA**, and **004954** is the 20% darker color. If you saturate the color by 10%, you get **167985**, and if you desaturate by 10%, it is **307B85**.

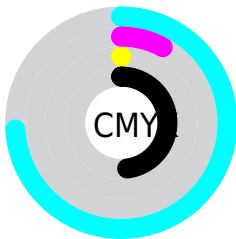
# Distribution



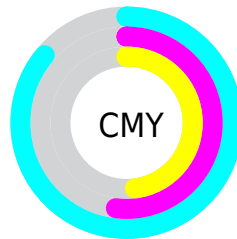
- Red (14%)
- Green (48%)
- Blue (52%)



- Red (14%)
- Yellow (32%)
- Blue (52%)



- Cyan (74%)
- Magenta (8%)
- Yellow (0%)
- Black (48%)



- Cyan (86%)
- Magenta (52%)
- Yellow (48%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 237A85 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Hex color 237A85 by changing the saturation by 10% instead.



 237A85

 237A85

FFFFFF

 00616C

 5FAFBA

 004954

 7BCAD6

 00323C

 98E6F2

 001E27

 B4FFFF

 000112

 D1FFFF

 000000

 EEEFFF

 237A85

 237A85

 167985

 307B85

087785

3E7D85

007685

4B7E85

588085

668185

738385

808485

8D8685

9B8785

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



337B70



237A85



347794

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



237A85



8B6283



7C6E45

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



237A85



852E23

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



8E674B



237A85



975F6E

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



237A85



746993



98615A



66754B

# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



237A85



497399



98615A



836C46



# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



237A85



87A9AD



23852D



405457



D6D6D6



575757



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



237A85



159CAD



234A85



3C4242



007382



000203



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



85237A



AD159C



855E23



423C42



820073

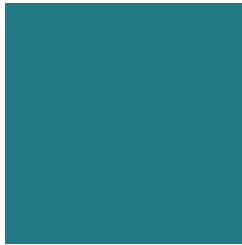


030002



# Previews

## White Background



This preview shows how the Hex color 237A85 looks on a white background.

## Color Contrast Check

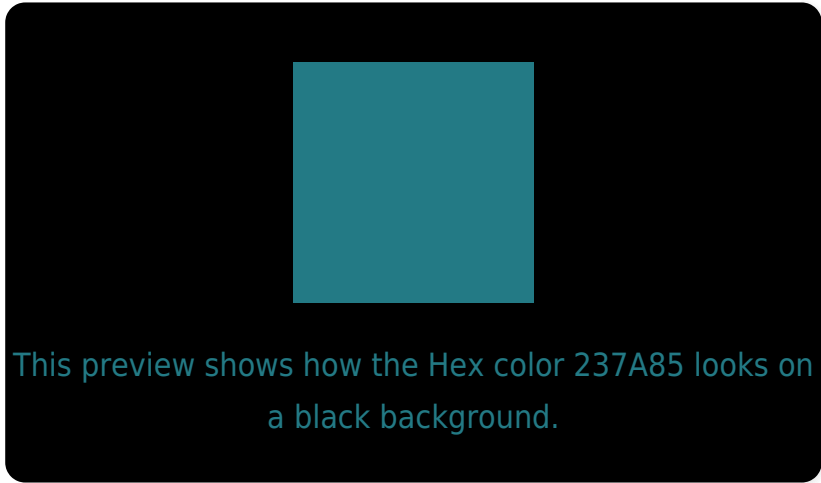
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

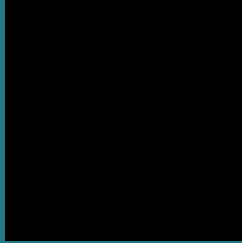
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 237A85 Background



This preview shows how black text looks on a background with the Hex color 237A85.

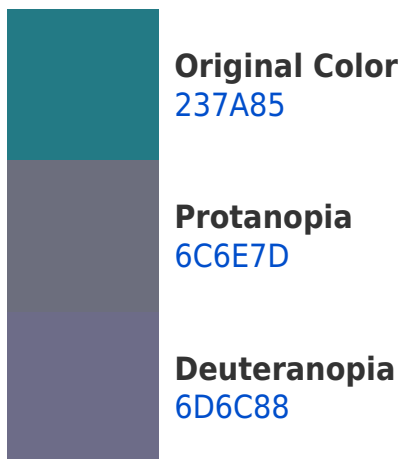


This preview shows how white text looks on a background with the Hex color 237A85.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy





**Tritanopia**  
227A84

# Trichromacy



**Original Color**  
237A85

**Protanomaly**  
517280

**Deuteranomaly**  
527187

**Tritanomaly**  
227A84

# Monochromacy



**Original Color**  
237A85

**Achromatopsia**  
616161

**Achromatomaly**  
4A6A6E

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 237A85 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color #237A85 looks like.

```
.text, #text, p{  
    color:#237A85  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel #237A85 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #237A85
}
```

## Border

The CSS property to change the border of an element to Hex 237A85 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#237A85 }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:#237A85 }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel #237A85 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #237A85; -webkit-box-shadow:4px 4px  
4px 4px #237A85; box-shadow:4px 4px 4px  
4px #237A85 }
```

# Background

The CSS property to change the background color of an element to Hex 237A85 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#237A85 }
```

If only the background color should be changed can be used:

```
.background{ background-color:#237A85 }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).



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