

# Converting Colors

Hex(407EB7)

Have a look what the booklet for  
Hex(407EB7) contains.

<b>Hex(407EB7)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

**Hex(407EB7)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	407EB7
RGB	64, 126, 183
RGB Percent	25%, 49%, 72%
CMY	0.7490, 0.5059, 0.2824
CMYK	0.65, 0.31, 0.00, 0.28
HSL	209°, 48%, 48%
HSV	209°, 65%, 72%
XYZ	18.1225, 19.4306, 47.5951
YIQ	113.9600, -55.2490, 4.5830

# Conversions

## Conversions Part 2

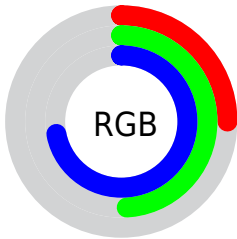
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	64, 105, 183
Decimal	4226743
CIE Lab	51.19, -1.82, -35.95
CIE LCh	51, 35.992, 267.104
Yxy	19.4306, 0.2128, 0.2282
Android (android.graphics.Color)	4282416823 (0xFF407EB7)
YUV	113.9600, 34.0367, -43.8149
Hunter-Lab	44.0801, -3.7545, -33.1616

# Details

The Hex color **407EB7** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **B77940**, and the grayscale version is **727272**.

A 20% lighter version of the original color is **7BB2EF**, and **004D82** is the 20% darker color. If you saturate the color by 10%, you get **2E75B7**, and if you desaturate by 10%, it is **5287B7**.

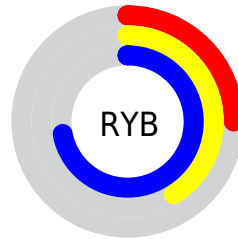
# Distribution



Red (25%)

Green (49%)

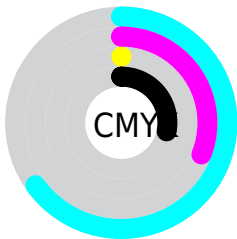
Blue (72%)



Red (25%)

Yellow (41%)

Blue (72%)

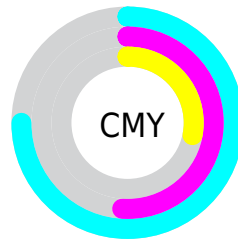


Cyan (65%)

Magenta (31%)

Yellow (0%)

Black (28%)



Cyan (75%)

Magenta (51%)

Yellow (28%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 407EB7 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 407EB7 by changing the saturation by 10% instead.



■ 407EB7

■ 407EB7

FFFFFF

■ 1C659C

■ 7BB2EF

■ 004D82

■ 98CEFF

■ 003768

■ B4EAFF

■ 002250

■ D2FFFF

■ 000B39

■ EFFFFFF

■ 000222

■ 000009

■ 000000

■ 407EB7

■ 407EB7

■ 2E75B7

■ 5287B7

■ 1B6CB7

■ 6590B7

■ 0964B7

■ 7798B7

■ 005FB7

■ 89A1B7

■ 9BAAB7

■ AEB3B7

■ C0BBB7

■ D2C4B7

■ E5CDB7

# Harmonies

## Analogous

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



0086AD



407EB7



7873B1

# Triad

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



407EB7



B46360



4B8757

# Complementary

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



407EB7



B77940

# 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.



718041



407EB7



A76C47

# Square

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



407EB7



B1617E



8F773B



098A76

# Rectangle

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



407EB7



936BA4



8F773B



59854F



# Sweetspot

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



407EB7



BED6ED



40B778



5B6A78



F7F7F7



787878



# Same Dimension

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



407EB7



3495ED



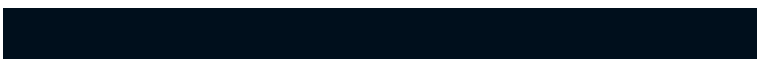
4044B7



53575C



00519C



000F1C



# Inverse Universe

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



B7407E



ED3495



B7B340



5C5357



9C0051



1C000F



# Previews

## White Background



This preview shows how the Hex color 407EB7 looks on a white background.

## Color Contrast Check

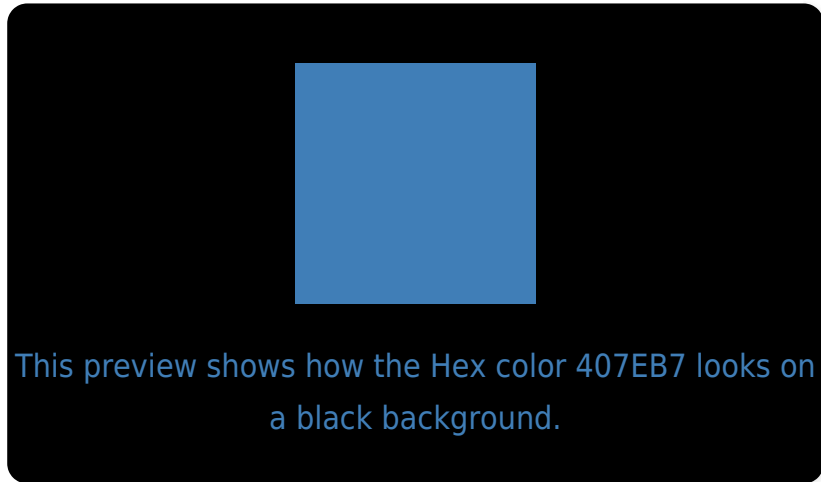
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black 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

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



## Hex 407EB7 Background



This preview shows how black text looks on a background with the Hex color 407EB7.

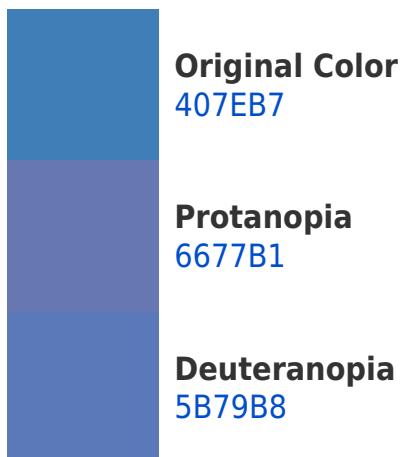


This preview shows how white text looks on a background with the Hex color 407EB7.

# 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](#).

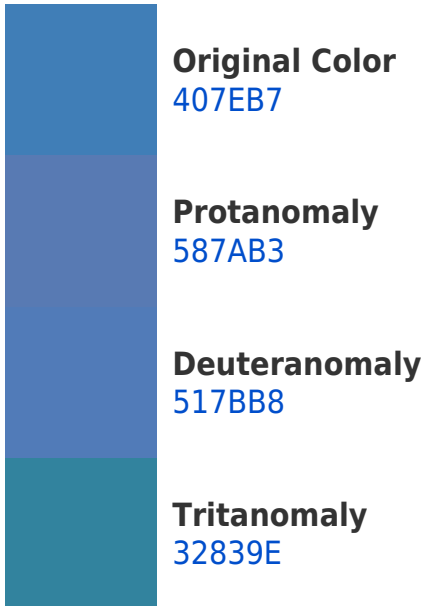
## Dichromacy





**Tritanopia**  
2A8690

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 407EB7 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 #407EB7 looks like.

```
.text, #text, p{  
    color:#407EB7  
}
```

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 #407EB7 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #407EB7
}
```

## Border

The CSS property to change the border of an element to Hex 407EB7 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
#407EB7 }
```

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

```
.border{ border-color:#407EB7 }
```

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

Here you see how a box with a 4 pixel #407EB7 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #407EB7; -webkit-box-shadow:4px 4px  
4px 4px #407EB7; box-shadow:4px 4px 4px  
4px #407EB7 }
```

# Background

The CSS property to change the background color of an element to Hex 407EB7 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#407EB7 }
```

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

```
.background{ background-color:#407EB7 }
```

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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