

# Converting Colors

Hex(687AE2)

Have a look what the booklet for  
Hex(687AE2) contains.

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# **Color**

**Hex(687AE2)**

# Conversions

## Conversions Part 1

Format	Color
Hex	687AE2
RGB	104, 122, 226
RGB Percent	41%, 48%, 89%
CMY	0.5922, 0.5216, 0.1137
CMYK	0.54, 0.46, 0.00, 0.11
HSL	231°, 68%, 65%
HSV	231°, 54%, 89%
XYZ	26.3959, 22.3531, 74.8749
YIQ	128.4740, -44.1120, 28.5280

# Conversions

## Conversions Part 2

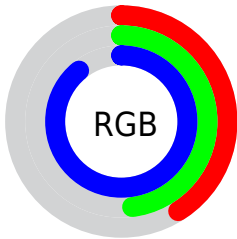
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	104, 120, 226
Decimal	6847202
CIELab	54.40, 22.77, -55.15
CIELCh	54, 59.667, 292.431
Yxy	22.3531, 0.2135, 0.1808
Android (android.graphics.Color)	4285037282 (0xFF687AE2)
YUV	128.4740, 48.0803, -21.4637
Hunter-Lab	47.2791, 16.9182, -60.8010

# Details

The Hex color **687AE2** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **E2D068**, and the grayscale version is **808080**.

A 20% lighter version of the original color is **A2AEFF**, and **274AAA** is the 20% darker color. If you saturate the color by 10%, you get **5167E2**, and if you desaturate by 10%, it is **7F8DE2**.

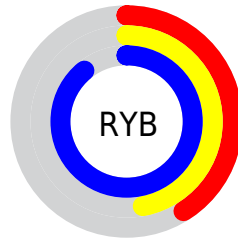
# Distribution



Red (41%)

Green (48%)

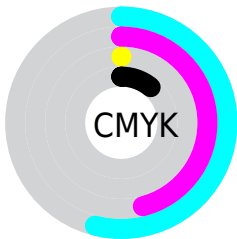
Blue (89%)



Red (41%)

Yellow (47%)

Blue (89%)

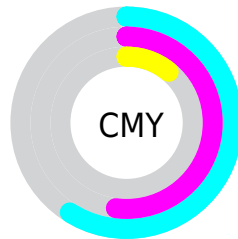


Cyan (54%)

Magenta (46%)

Yellow (0%)

Black (11%)



Cyan (59%)

Magenta (52%)

Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 687AE2 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 687AE2 by changing the saturation by 10% instead.



■ 687AE2

■ 687AE2

FFFFFF

■ 4A61C6

■ A2AEFF

■ 274AAA

■ C0C9FF

■ 00348F

■ DDE5FF

■ 001F75

■ FBFFFF

■ 000B5B

■ 000743

■ 00032C

■ 000116

■ 000000

■ 687AE2

■ 687AE2

■ 5167E2

■ 7F8DE2

■ 3B53E2

■ 95A1E2

■ 2440E2

■ ACB4E2

■ 0E2DE2

■ C2C7E2

■ 0021E2

■ D9DAE2

■ F0EEE2

■ FFFFE2

# Harmonies

## Analogous

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



008CE9



687AE2



B363C2

# Triad

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



687AE2



CB6630



009973

# Complementary

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



687AE2



E2D068

# 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.



2F953F



687AE2



A67B06

# Square

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



687AE2



DE525E



768B11



009AA8

# Rectangle

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



687AE2



CF55A3



768B11



009861



# Sweetspot

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



687AE2



D6DCFF



68E2D0



676B80



000000



808080



# Same Dimension

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



687AE2



5972FF



9368E2



656770



001AB0



000730



# Inverse Universe

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



E2687A



FF5972



B7E268



706567



B0001A

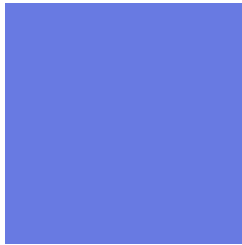


300007



# Previews

## White Background



This preview shows how the Hex color 687AE2 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

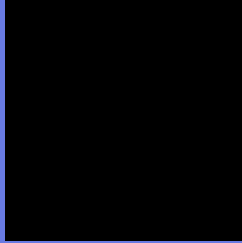
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 687AE2 Background



This preview shows how black text looks on a background with the Hex color 687AE2.



This preview shows how white text looks on a background with the Hex color 687AE2.

# 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](#).

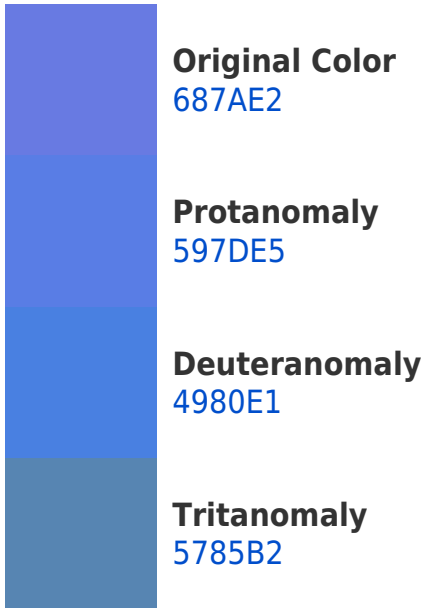
## Dichromacy



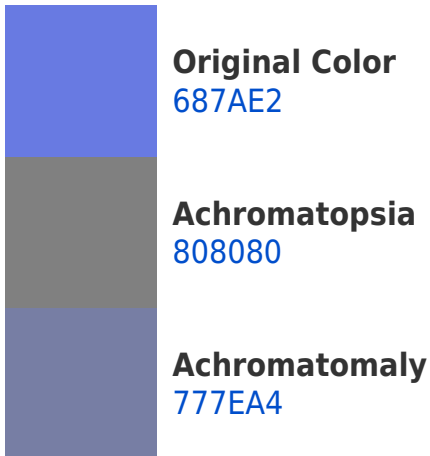


**Tritanopia**  
4D8B96

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 687AE2 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 #687AE2 looks like.

```
.text, #text, p{  
    color:#687AE2  
}
```

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 #687AE2 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #687AE2
}
```

## Border

The CSS property to change the border of an element to Hex 687AE2 is called "border". The border property can be set on classes, ids or directly on the HTML element.

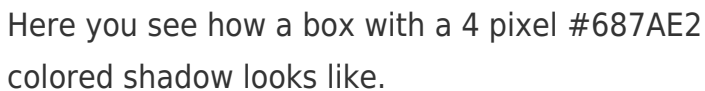
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#687AE2 }
```

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

```
.border{ border-color:#687AE2 }
```

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



Here you see how a box with a 4 pixel #687AE2 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #687AE2; -webkit-box-shadow:4px 4px  
4px 4px #687AE2; box-shadow:4px 4px 4px  
4px #687AE2 }
```

# Background

The CSS property to change the background color of an element to Hex 687AE2 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#687AE2 }
```

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

```
.background{ background-color:#687AE2 }
```

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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