

# Converting Colors

Hex(687EA9)

Have a look what the booklet for  
Hex(687EA9) contains.

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# Color

Hex(687EA9)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	687EA9
RGB	104, 126, 169
RGB Percent	41%, 49%, 66%
CMY	0.5922, 0.5059, 0.3373
CMYK	0.38, 0.25, 0.00, 0.34
HSL	220°, 27%, 54%
HSV	220°, 38%, 66%
XYZ	20.3312, 20.7293, 40.4657
YIQ	124.3240, -26.9150, 8.7090

# Conversions

## Conversions Part 2

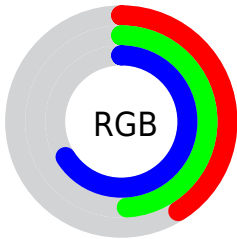
<b>Format</b>	<b>Color</b>
<b>RYB</b>	104, 120, 169
Decimal	6848169
CIELab	52.65, 3.11, -25.43
CIElCh	53, 25.618, 276.982
Yxy	20.7293, 0.2494, 0.2543
Android (android.graphics.Color)	4285038249 (0xFF687EA9)
YUV	124.3240, 22.0253, -17.8241
Hunter-Lab	45.5295, 0.0326, -20.8251

# Details

The Hex color **687EA9** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **A99368**, and the grayscale version is **7C7C7C**.

A 20% lighter version of the original color is **9DB3E0**, and **354D75** is the 20% darker color. If you saturate the color by 10%, you get **5773A9**, and if you desaturate by 10%, it is **7989A9**.

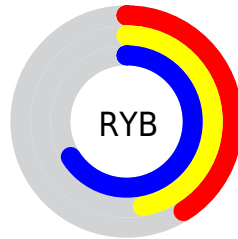
# Distribution



Red (41%)

Green (49%)

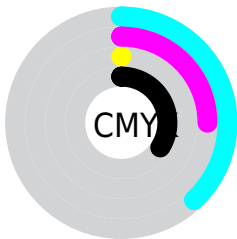
Blue (66%)



Red (41%)

Yellow (47%)

Blue (66%)

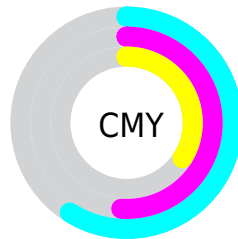


Cyan (38%)

Magenta (25%)

Yellow (0%)

Black (34%)



Cyan (59%)

Magenta (51%)

Yellow (34%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 687EA9 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 687EA9 by changing the saturation by 10% instead.



■ 687EA9

■ 687EA9

FFFFFF

■ 4E658E

■ 9DB3E0

■ 354D75

■ B9CEFD

■ 1A375C

■ D5EAFF

■ 002244

■ F2FFFF

■ 000A2E

■ 000119

■ 000000

■ 687EA9

■ 687EA9

■ 5773A9

■ 7989A9

■ 4668A9

■ 8A94A9

■ 355CA9

■ 9BA0A9

■ 2451A9

■ ACABA9

■ 1446A9

■ BCB6A9

■ 033BA9

■ CDC1A9

■ 0039A9

■ DECCA9

■ EFD7A9

■ FFE3A9

# Harmonies

## Analogous

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



4785A6



687EA9



8776A1

# Triad

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



687EA9



A77064



56886C

# Complementary

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



687EA9



A99368

# 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.



70845A



687EA9



9B7656

# Square

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



687EA9



A96D79



887E52



3D8A82

# Rectangle

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



687EA9



987196



887E52



5F8765



# Sweetspot

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



687EA9



C1CADB



68A992



5E636E



EDEDED



6E6E6E



# Same Dimension

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



687EA9



7699DB



7268A9



4C4F54



003294



000714



# Inverse Universe

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



A9687E



DB7699



9FA968



544C4F



940032

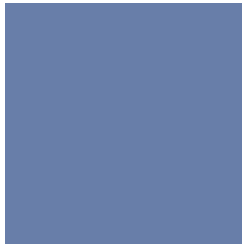


140007



# Previews

## White Background



This preview shows how the Hex color 687EA9 looks on a white background.

## Color Contrast Check

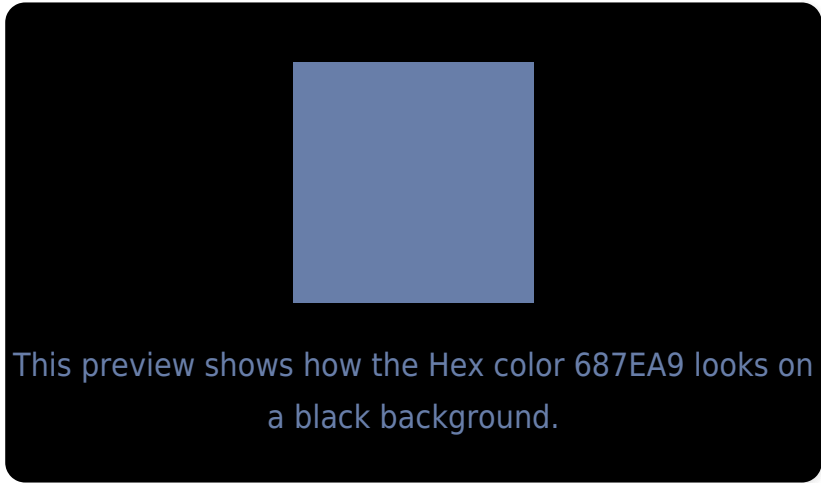
Large Text (above 18pt) WCAG AA ✓ Pass

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

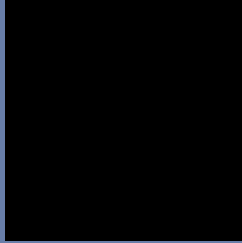
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

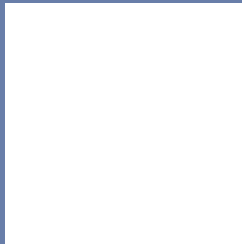
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 687EA9 Background



This preview shows how black text looks on a background with the Hex color 687EA9.

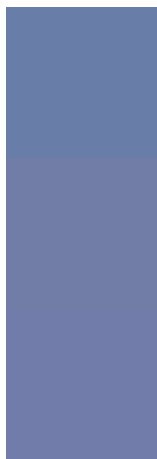


This preview shows how white text looks on a background with the Hex color 687EA9.

# 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



**Original Color**  
687EA9

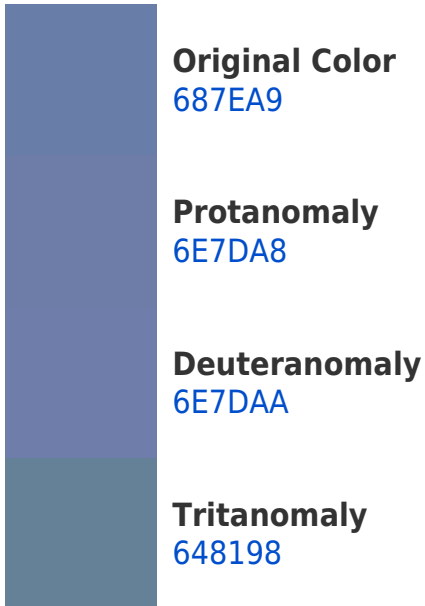
**Protanopia**  
717CA7

**Deuteranopia**  
717CAA

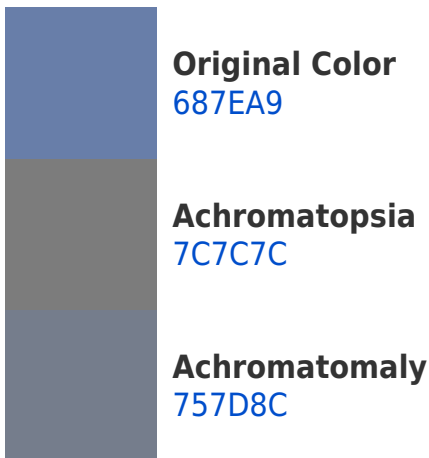


**Tritanopia**  
61838E

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 687EA9 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 #687EA9 looks like.

```
.text, #text, p{  
    color:#687EA9  
}
```

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 #687EA9 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #687EA9
}
```

## Border

The CSS property to change the border of an element to Hex 687EA9 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
#687EA9 }
```

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

```
.border{ border-color:#687EA9 }
```

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

Here you see how a box with a 4 pixel #687EA9 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #687EA9; -webkit-box-shadow:4px 4px  
4px 4px #687EA9; box-shadow:4px 4px 4px  
4px #687EA9 }
```

# Background

The CSS property to change the background color of an element to Hex 687EA9 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#687EA9 }
```

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

```
.background{ background-color:#687EA9 }
```

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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