

# Converting Colors

Hex(647BBF)

Have a look what the booklet for  
Hex(647BBF) contains.

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# Color

**Hex(647BBF)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	647BBF
RGB	100, 123, 191
RGB Percent	39%, 48%, 75%
CMY	0.6078, 0.5176, 0.2510
CMYK	0.48, 0.36, 0.00, 0.25
HSL	225°, 42%, 57%
HSV	225°, 48%, 75%
XYZ	21.7425, 20.6368, 52.1276
YIQ	123.8750, -35.5360, 16.2720

# Conversions

## Conversions Part 2

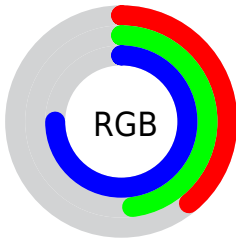
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	100, 118, 191
Decimal	6585279
CIE <sub>Lab</sub>	52.55, 10.32, -38.27
CIE <sub>LCh</sub>	53, 39.636, 285.091
Yxy	20.6368, 0.2301, 0.2184
Android (android.graphics.Color)	4284775359 (0xFF647BBF)
YUV	123.8750, 33.0926, -20.9384
Hunter-Lab	45.4278, 5.9343, -36.2348

# Details

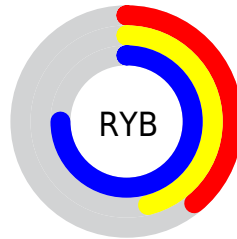
The Hex color **647BBF** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **BFA864**, and the grayscale version is **7C7C7C**.

A 20% lighter version of the original color is **9BAFF8**, and **2C4B89** is the 20% darker color. If you saturate the color by 10%, you get **516DBF**, and if you desaturate by 10%, it is **7789BF**.

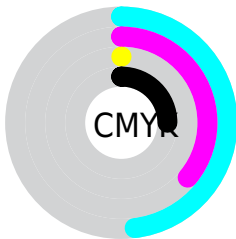
# Distribution



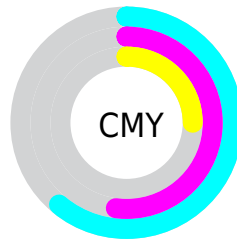
- Red (39%)
- Green (48%)
- Blue (75%)



- Red (39%)
- Yellow (46%)
- Blue (75%)



- Cyan (48%)
- Magenta (36%)
- Yellow (0%)
- Black (25%)



- Cyan (61%)
- Magenta (52%)
- Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 647BBF 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 647BBF by changing the saturation by 10% instead.



■ 647BBF

■ 647BBF

FFFFFF

■ 4962A4

■ 9BAFF8

■ 2C4B89

■ B7CBFF

■ 03346F

■ D4E7FF

■ 002057

■ F1FFFF

■ 00073F

■ 000328

■ 000112

■ 000000

■ 647BBF

■ 647BBF

■ 516DBF

■ 7789BF

■ 3E5EBF

■ 8A98BF

■ 2B50BF

■ 9DA6BF

■ 1842BF

■ B0B4BF

■ 0434BF

■ C4C2BF

■ 0030BF

■ D7D1BF

■ EADFBF

■ FDEDBF

■ FFFBBF

# Harmonies

## Analogous

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



0086BF



647BBF



966EAE

# Triad

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



647BBF



B6694F



238E6B

# Complementary

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



647BBF



BFA864

# 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.



5B894C



647BBF



A0763B

# Square

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



647BBF



BE616D



818139



008F8E

# Rectangle

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



647BBF



AC669B



818139



3A8C60



# Sweetspot

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



647BBF



D5DDF7



64BFA7



686D7D



FCFCFC



7D7D7D



# Same Dimension

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



647BBF



6A8EF7



7964BF



55575E



00289E



00081F



# Inverse Universe

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



BF647B



F76A8E



AABF64



5E5557



9E0028

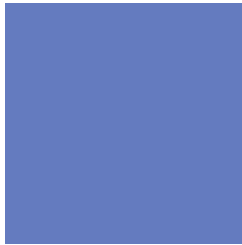


1F0008



# Previews

## White Background



This preview shows how the Hex color 647BBF looks on a white background.

## Color Contrast Check

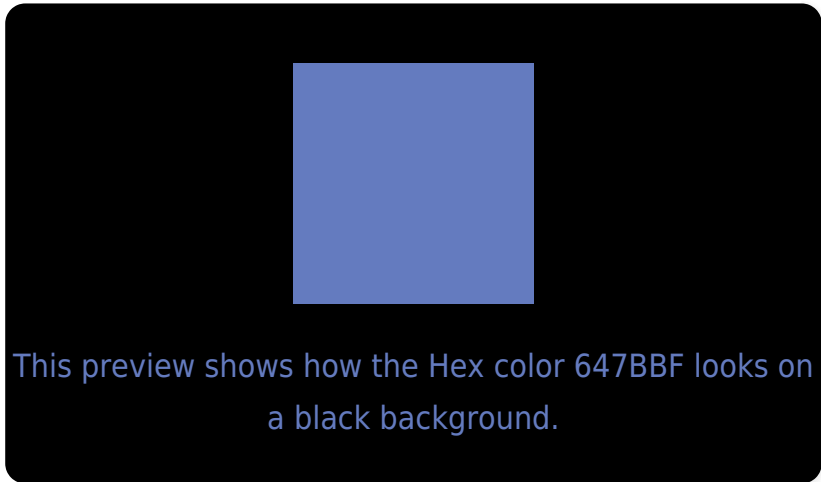
Large Text (above 18pt) WCAG AA ✓ Pass

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 647BBF Background



This preview shows how black text looks on a background with the Hex color 647BBF.

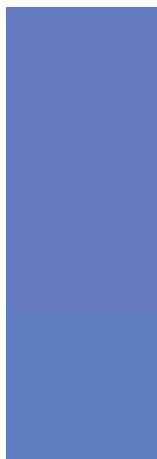


This preview shows how white text looks on a background with the Hex color 647BBF.

# 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**


647BBF

**Protanopia**

657BBF

**Deuteranopia**

5D7DBF



**Tritanopia**  
56858F

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 647BBF 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 #647BBF looks like.

```
.text, #text, p{  
    color:#647BBF  
}
```

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 #647BBF colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #647BBF
}
```

## Border

The CSS property to change the border of an element to Hex 647BBF 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
#647BBF }
```

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

```
.border{ border-color:#647BBF }
```

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

Here you see how a box with a 4 pixel #647BBF colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #647BBF; -webkit-box-shadow:4px 4px  
4px 4px #647BBF; box-shadow:4px 4px 4px  
4px #647BBF }
```

# Background

The CSS property to change the background color of an element to Hex 647BBF is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#647BBF }
```

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

```
.background{ background-color:#647BBF }
```

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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