

# Converting Colors

Hex(664CB4)

Have a look what the booklet for  
Hex(664CB4) contains.

<b>Hex(664CB4)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

**Hex(664CB4)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	664CB4
RGB	102, 76, 180
RGB Percent	40%, 30%, 71%
CMY	0.6000, 0.7020, 0.2941
CMYK	0.43, 0.58, 0.00, 0.29
HSL	255°, 41%, 50%
HSV	255°, 58%, 71%
XYZ	16.3021, 11.2890, 44.4998
YIQ	95.6300, -17.8880, 37.8560

# Conversions

## Conversions Part 2

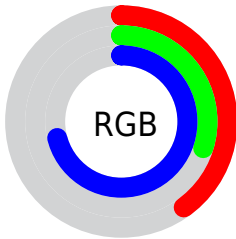
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	102, 76, 180
Decimal	6704308
CIE <sub>Lab</sub>	40.06, 36.15, -51.76
CIE <sub>LCh</sub>	40, 63.137, 304.933
Yxy	11.2890, 0.2261, 0.1566
Android (android.graphics.Color)	4284894388 (0xFF664CB4)
YUV	95.6300, 41.5944, 5.5865
Hunter-Lab	33.5990, 27.8094, -55.0065

# Details

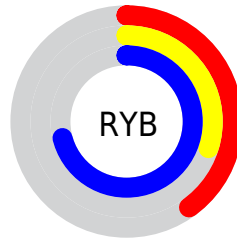
The Hex color **664CB4** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **9AB44C**, and the grayscale version is **5F5F5F**.

A 20% lighter version of the original color is **9E7EED**, and **2D1E7E** is the 20% darker color. If you saturate the color by 10%, you get **593AB4**, and if you desaturate by 10%, it is **745EB4**.

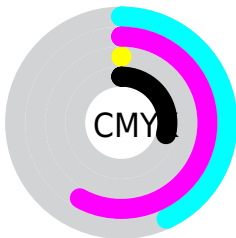
# Distribution



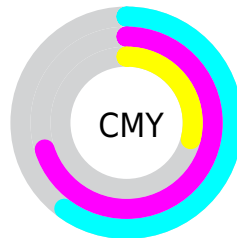
- Red (40%)
- Green (30%)
- Blue (71%)



- Red (40%)
- Yellow (30%)
- Blue (71%)



- Cyan (43%)
- Magenta (58%)
- Yellow (0%)
- Black (29%)



- Cyan (60%)
- Magenta (70%)
- Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 664CB4 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 664CB4 by changing the saturation by 10% instead.



664CB4

664CB4

FFFFFF

4A3499

9E7EED

2D1E7E

BA98FF

060765

D7B3FF

00004C

F4CFFF

000434

FFEBFF

00021E

000000

664CB4

664CB4

593AB4

745EB4

4B28B4

8170B4

3D16B4

8F82B4

3004B4

9C94B4

2D00B4

AAA6B4

B7B8B4

C4CAB4

D2DCB4

E0EEB4

# Harmonies

## Analogous

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



0063C6



664CB4



A12D8B

# Triad

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



664CB4



954B00



007466

# Complementary

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



664CB4



9AB44C

# 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.



00722F



664CB4



6C5F00

# Square

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



664CB4



B02E26



346B00



007499

# Rectangle

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



664CB4



B31969



346B00



007454



# Sweetspot

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



664CB4



CDC3EB



4C9AB4



645E75



F5F5F5



757575



# Same Dimension

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



664CB4



7149EB



9A4CB4



535059



260099



06001A



# Inverse Universe

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



B44C9A



EB49C2



66B44C



595057



990073

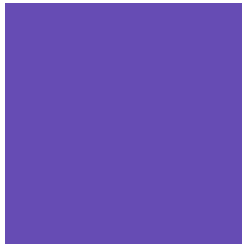


1A0013



# Previews

## White Background



This preview shows how the Hex color 664CB4 looks on a white background.

## Color Contrast Check

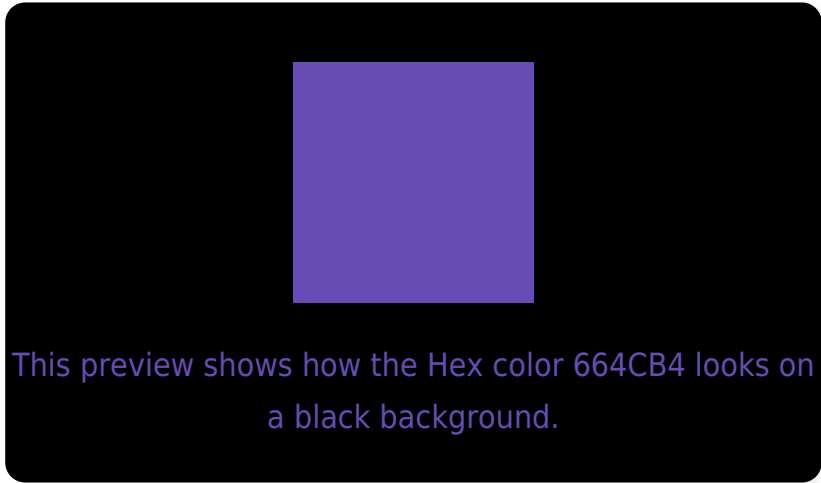
Large Text (above 18pt) WCAG AA ✓ Pass

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 664CB4 Background



This preview shows how black text looks on a background with the Hex color 664CB4.

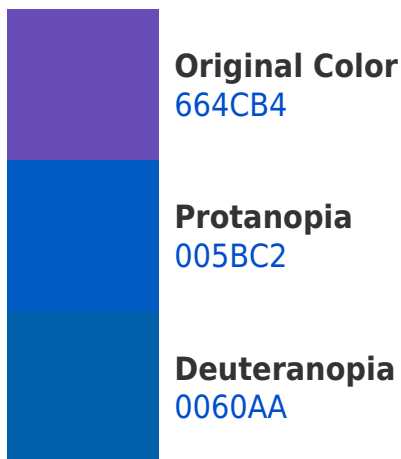


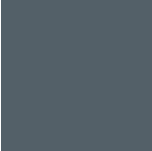
This preview shows how white text looks on a background with the Hex color 664CB4.

# 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](#).

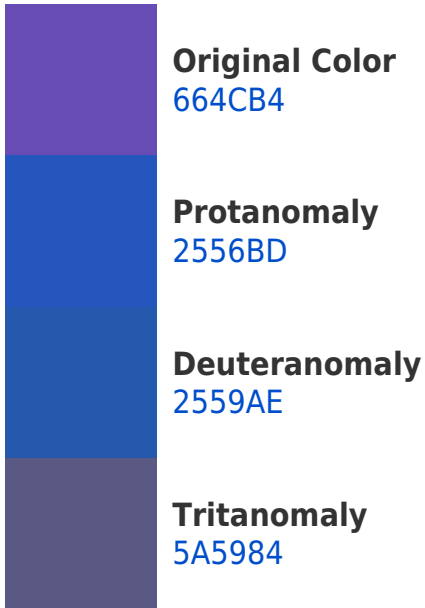
## Dichromacy





**Tritanopia**  
536068

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 664CB4 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 #664CB4 looks like.

```
.text, #text, p{  
    color:#664CB4  
}
```

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 #664CB4 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #664CB4
}
```

## Border

The CSS property to change the border of an element to Hex 664CB4 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".

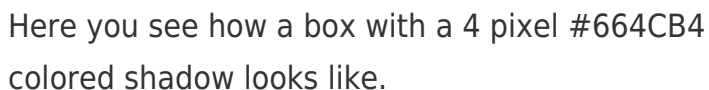
```
.border, #border, table{ border:4px solid
#664CB4 }
```

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

```
.border{ border-color:#664CB4 }
```

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

Here you see how a box with a 4 pixel #664CB4 colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #664CB4; -webkit-box-shadow:4px 4px  
4px 4px #664CB4; box-shadow:4px 4px 4px  
4px #664CB4 }
```

# Background

The CSS property to change the background color of an element to Hex 664CB4 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#664CB4 }
```

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

```
.background{ background-color:#664CB4 }
```

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](#).



Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor