

# Converting Colors

Hex(6676CB)

Have a look what the booklet for  
Hex(6676CB) contains.

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# Color

**Hex(6676CB)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	6676CB
RGB	102, 118, 203
RGB Percent	40%, 46%, 80%
CMY	0.6000, 0.5373, 0.2039
CMYK	0.50, 0.42, 0.00, 0.20
HSL	230°, 49%, 60%
HSV	230°, 50%, 80%
XYZ	22.7374, 20.0934, 59.1799
YIQ	122.9060, -36.8210, 23.0430

# Conversions

## Conversions Part 2

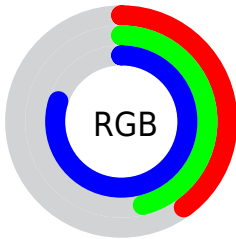
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">102, 116, 203</a>
Decimal	<a href="#">6715083</a>
<a href="#">CIELab</a>	<a href="#">51.94, 17.53, -46.08</a>
<a href="#">CIELCh</a>	<a href="#">52, 49.298, 290.831</a>
<a href="#">Yxy</a>	<a href="#">20.0934, 0.2229, 0.1970</a>
Android (android.graphics.Color)	<a href="#">4284905163</a> ( <a href="#">0xFF6676CB</a> )
<a href="#">YUV</a>	<a href="#">122.9060, 39.4863, -18.3346</a>
<a href="#">Hunter-Lab</a>	<a href="#">44.8257, 12.0974, -46.8980</a>

# Details

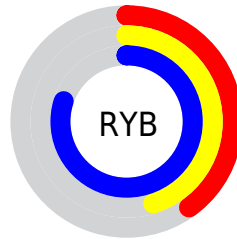
The Hex color **6676CB** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **CBBB66**, and the grayscale version is **7B7B7B**.

A 20% lighter version of the original color is **9EAAFF**, and **2B4694** is the 20% darker color. If you saturate the color by 10%, you get **5265CB**, and if you desaturate by 10%, it is **7A87CB**.

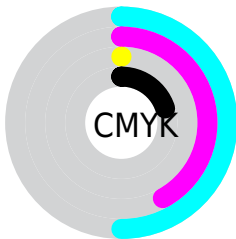
# Distribution



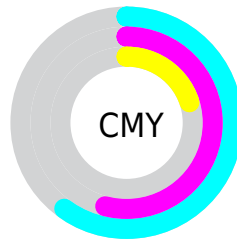
- Red (40%)
- Green (46%)
- Blue (80%)



- Red (40%)
- Yellow (45%)
- Blue (80%)



- Cyan (50%)
- Magenta (42%)
- Yellow (0%)
- Black (20%)



- Cyan (60%)
- Magenta (54%)
- Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 6676CB 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 6676CB by changing the saturation by 10% instead.



■ 6676CB

■ 6676CB

FFFFFF

■ 4A5DAF

■ 9EAAFF

■ 2B4694

■ BBC5FF

■ 00307A

■ D8E1FF

■ 001C61

■ F5FEFF

■ 000248

■ 000431

■ 00011B

■ 000000

■ 6676CB

■ 6676CB

■ 5265CB

■ 7A87CB

■ 3D54CB

■ 8F98CB

■ 2943CB

■ A3A9CB

■ 1532CB

■ B7BACB

■ 0121CB

■ CCCBCB

■ 0020CB

■ E0DDCB

■ F4EECB

■ FFFFCB

# Harmonies

## Analogous

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



0084CF



6676CB



A364B2

# Triad

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



6676CB



BB653B



00906D

# Complementary

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



6676CB



CBBB66

# 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.



428B44



6676CB



9D7523

# Square

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



6676CB



C95760



768326



009099

# Rectangle

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



6676CB



BA5A99



768326



008F5F



# Sweetspot

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



6676CB



D9DFFF



66CBBA



696C80



000000



808080



# Same Dimension

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



6676CB



667EFF



8866CB



5C5D66



001AA6



000626



# Inverse Universe

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



CB6676



FF667E



A9CB66



665C5D



A6001A

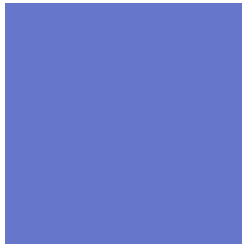


260006



# Previews

## White Background



This preview shows how the Hex color 6676CB looks on a white background.

## Color Contrast Check

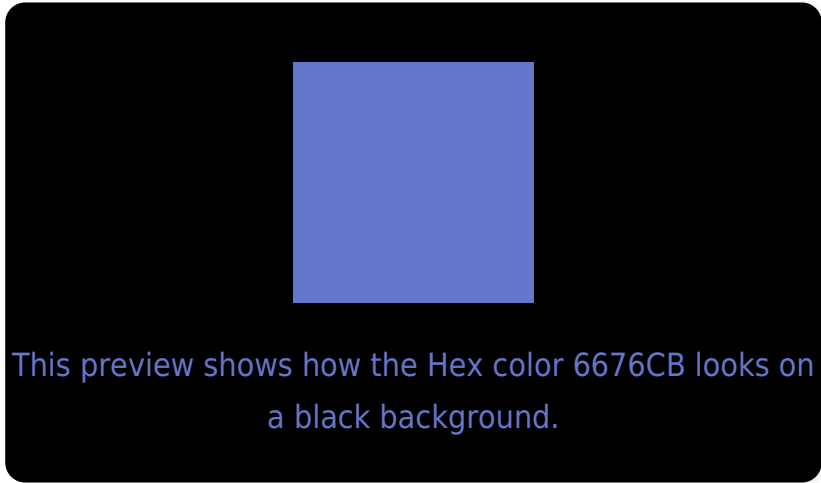
Large Text (above 18pt) WCAG AA ✓ Pass

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

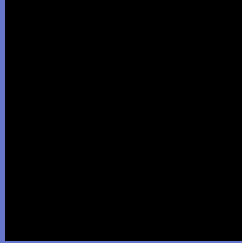
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 6676CB Background



This preview shows how black text looks on a background with the Hex color 6676CB.



This preview shows how white text looks on a background with the Hex color 6676CB.

# 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**  
6676CB

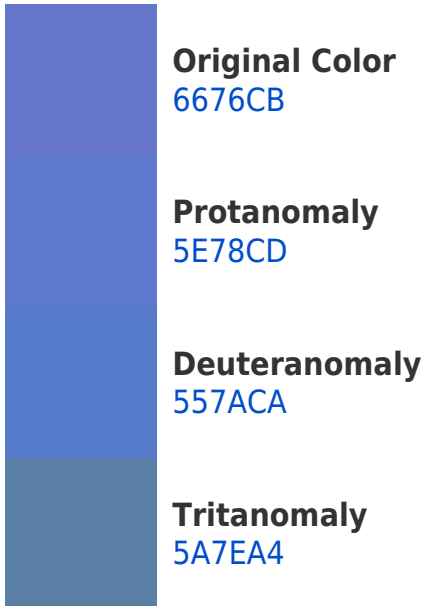
**Protanopia**  
5979CE

**Deuteranopia**  
4B7CCA



**Tritanopia**  
53838E

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 6676CB 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 #6676CB looks like.

```
.text, #text, p{  
    color:#6676CB  
}
```

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 #6676CB colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #6676CB
}
```

## Border

The CSS property to change the border of an element to Hex 6676CB is called "border". The border property can be set on classes, ids or directly on the HTML element.

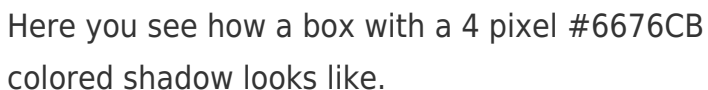
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#6676CB }
```

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

```
.border{ border-color:#6676CB }
```

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



Here you see how a box with a 4 pixel #6676CB colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #6676CB; -webkit-box-shadow:4px 4px  
4px 4px #6676CB; box-shadow:4px 4px 4px  
4px #6676CB }
```

# Background

The CSS property to change the background color of an element to Hex 6676CB is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#6676CB }
```

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

```
.background{ background-color:#6676CB }
```

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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