

# Converting Colors

Hex(6378CB)

Have a look what the booklet for  
Hex(6378CB) contains.

<b>Hex(6378CB)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

**Hex(6378CB)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6378CB
RGB	99, 120, 203
RGB Percent	39%, 47%, 80%
CMY	0.6118, 0.5294, 0.2039
CMYK	0.51, 0.41, 0.00, 0.20
HSL	228°, 50%, 59%
HSV	228°, 51%, 80%
XYZ	22.6416, 20.3974, 59.2437
YIQ	123.1830, -39.1590, 21.3610

# Conversions

## Conversions Part 2

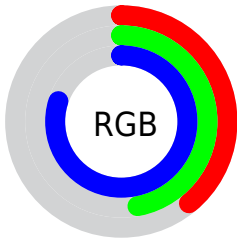
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	99, 116, 203
Decimal	6518987
CIE <sub>Lab</sub>	52.28, 15.62, -45.55
CIE <sub>LCh</sub>	52, 48.152, 288.935
Yxy	20.3974, 0.2214, 0.1994
Android (android.graphics.Color)	4284709067 (0xFF6378CB)
YUV	123.1830, 39.3498, -21.2085
Hunter-Lab	45.1635, 10.4504, -46.1599

# Details

The Hex color **6378CB** is a dark color, and the websafe version is hex **3366CC**. A complement of this color would be **CBB663**, and the grayscale version is **7B7B7B**.

A 20% lighter version of the original color is **9BACFF**, and **274894** is the 20% darker color. If you saturate the color by 10%, you get **4F68CB**, and if you desaturate by 10%, it is **7788CB**.

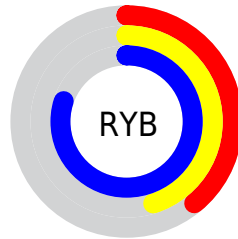
# Distribution



Red (39%)

Green (47%)

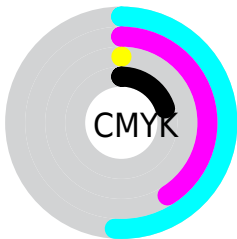
Blue (80%)



Red (39%)

Yellow (45%)

Blue (80%)

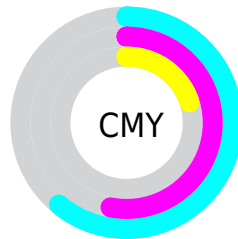


Cyan (51%)

Magenta (41%)

Yellow (0%)

Black (20%)



Cyan (61%)

Magenta (53%)

Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 6378CB 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 6378CB by changing the saturation by 10% instead.



■ 6378CB

■ 6378CB

FFFFFF

■ 465FAF

■ 9BACFF

■ 274894

■ B8C7FF

■ 00327A

■ D5E3FF

■ 001E61

■ F2FFFF

■ 000448

■ 000431

■ 00011B

■ 000000

■ 6378CB

■ 6378CB

 4F68CB

 7788CB

 3A58CB

 8C98CB

 2647CB

 A0A9CB

 1237CB

 B4B9CB

 0029CB

 C9C9CB

 DDD9CB

 F1E9CB

 FFFACB

 FFFF CB

# Harmonies

## Analogous

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



0086CE



6378CB



A067B3

# Triad

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



6378CB



BC6540



00906B

# Complementary

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



6378CB



CBB663

# 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.



498B44



6378CB



A07527

# Square

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



6378CB



C95964



7A8328



009196

# Rectangle

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



6378CB



B85D9B



7A8328



008F5D



# Sweetspot

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



6378CB



D9E0FF



63CBB4



696D80



000000



808080



# Same Dimension

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



6378CB



6383FF



8063CB



5C5E66



0021A6



000826



# Inverse Universe

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



CB6378



FF6383



AECB63



665C5E



A60021

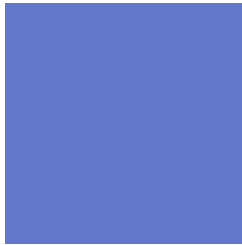


260008



# Previews

## White Background



This preview shows how the Hex color 6378CB looks on a white background.

## Color Contrast Check

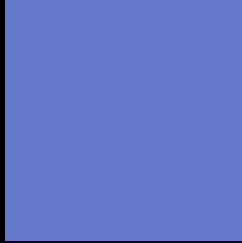
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the Hex color 6378CB looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

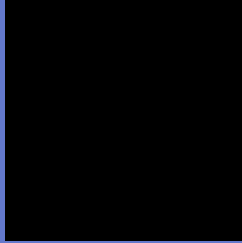
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 6378CB Background



This preview shows how black text looks on a background with the Hex color 6378CB.

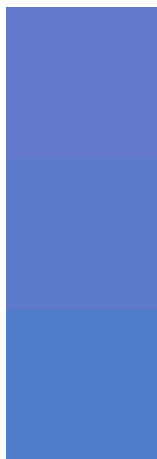


This preview shows how white text looks on a background with the Hex color 6378CB.

# 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**  
6378CB

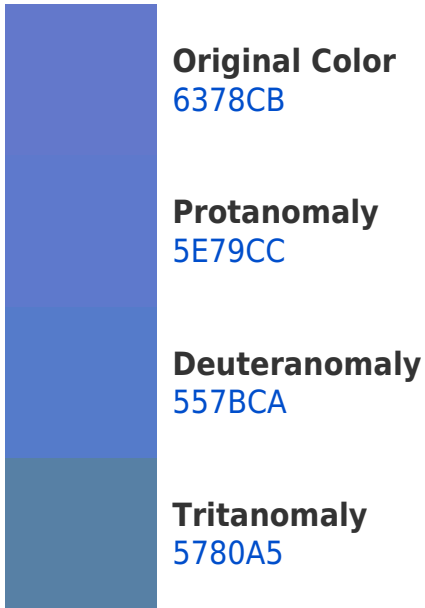
**Protanopia**  
5B7ACC

**Deuteranopia**  
4D7DCA

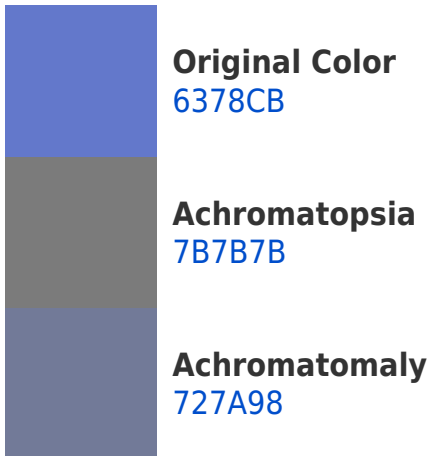


**Tritanopia**  
508590

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 6378CB 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 #6378CB looks like.

```
.text, #text, p{  
    color:#6378CB  
}
```

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 #6378CB colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #6378CB
}
```

## Border

The CSS property to change the border of an element to Hex 6378CB 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
#6378CB }
```

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

```
.border{ border-color:#6378CB }
```

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

Here you see how a box with a 4 pixel #6378CB colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #6378CB; -webkit-box-shadow:4px 4px  
4px 4px #6378CB; box-shadow:4px 4px 4px  
4px #6378CB }
```

# Background

The CSS property to change the background color of an element to Hex 6378CB is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#6378CB }
```

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

```
.background{ background-color:#6378CB }
```

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