

# Converting Colors

Hex(5800C7)

Have a look what the booklet for  
Hex(5800C7) contains.

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# Color

**Hex(5800C7)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	5800C7
RGB	88, 0, 199
RGB Percent	35%, 0%, 78%
CMY	0.6549, 1.0000, 0.2196
CMYK	0.56, 1.00, 0.00, 0.22
HSL	267°, 100%, 39%
HSV	267°, 100%, 78%
XYZ	14.3333, 6.1982, 54.4738
YIQ	48.9980, -11.4310, 80.5450

# Conversions

## Conversions Part 2

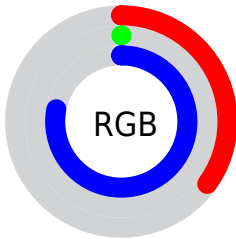
<b>Format</b>	<b>Color</b>
<b>RYB</b>	88, 0, 199
Decimal	5767367
CIELab	29.91, 68.26, -79.62
CIELCh	30, 104.877, 310.608
Yxy	6.1982, 0.1911, 0.0826
Android (android.graphics.Color)	4283957447 (0xFF5800C7)
YUV	48.9980, 73.9510, 34.2048
Hunter-Lab	24.8962, 59.1979, -112.3010

# Details

The Hex color **5800C7** is a dark color, and the websafe version is hex **6600CC**. The color can be described as dark washed blue. A complement of this color would be **6FC700**, and the grayscale version is **303030**.

A 20% lighter version of the original color is **9647FF**, and **00008F** is the 20% darker color. If you saturate the color by 10%, you get **5800C7**, and if you desaturate by 10%, it is **6314C7**.

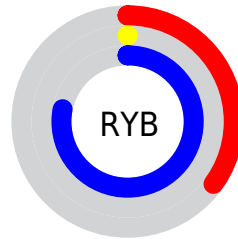
# Distribution



Red (35%)

Green (0%)

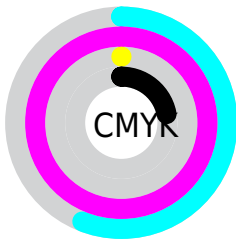
Blue (78%)



Red (35%)

Yellow (0%)

Blue (78%)

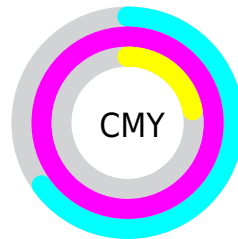


Cyan (56%)

Magenta (100%)

Yellow (0%)

Black (22%)



Cyan (65%)

Magenta (100%)

Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 5800C7 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 5800C7 by changing the saturation by 10% instead.



 5800C7

 5800C7

FFFFFF

 3500AB

 9647FF

 00008F

 B562FF

 000075

 D37EFF

 00005B

 F299FF

 000742

 FFB5FF

 00032B

 FFD2FF

 000115

 FFEFFF

 000000

 5800C7

 6314C7

 6E28C7

 793CC7

 8450C7

 8F64C7

 9B77C7

 A68BC7

 B19FC7

 BCB3C7

# Harmonies

## Analogous

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



004DEF



5800C7



B3007F

# Triad

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



5800C7



802A00



005F63

# Complementary

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



5800C7



6FC700

# 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.



005D01



5800C7



3C4D00

# Square

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



5800C7



AF0000



005900



0062B3

# Rectangle

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



5800C7



C50049



005900



005F46



# Sweetspot

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



5800C7



D4B3FF



0071C7



665280



000000



808080



# Same Dimension

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



5800C7



7100FF



BA00C7



5E5A63



4800A3



100024



# Inverse Universe

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



C7006F



FF008E



0DC700



635A5F



A3005B

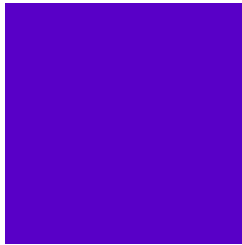


240014



# Previews

## White Background



This preview shows how the Hex color 5800C7 looks on a white background.

## Color Contrast Check

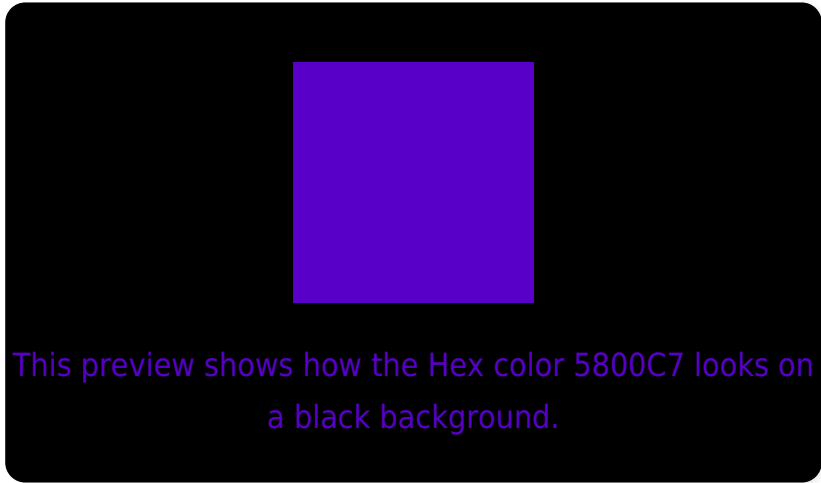
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

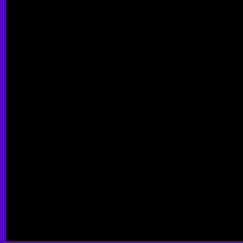
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 5800C7 Background



This preview shows how black text looks on a background with the Hex color 5800C7.

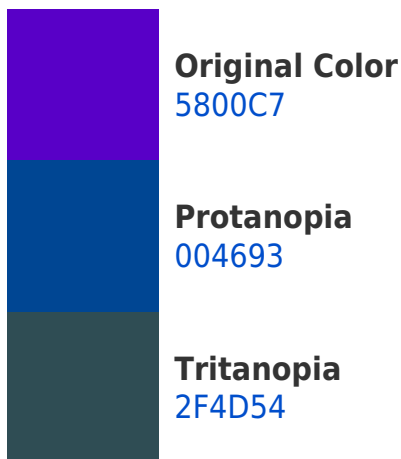


This preview shows how white text looks on a background with the Hex color 5800C7.

# 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



# Trichromacy



**Original Color**  
5800C7

**Protanomaly**  
202DA6

**Tritanomaly**  
3E317E

# Monochromacy



**Original Color**  
5800C7

**Achromatopsia**  
313131

**Achromatomaly**  
3F1F68

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 5800C7 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 #5800C7 looks like.

```
.text, #text, p{  
    color:#5800C7  
}
```

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 #5800C7 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #5800C7
}
```

## Border

The CSS property to change the border of an element to Hex 5800C7 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".

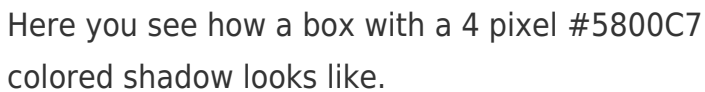
```
.border, #border, table{ border:4px solid
#5800C7 }
```

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

```
.border{ border-color:#5800C7 }
```

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

Here you see how a box with a 4 pixel #5800C7 colored shadow looks like.

A rectangular box with a thick purple border and a purple shadow. The box is white with a purple border and a purple shadow. The shadow is a 4px offset, 4px blur, 4px spread, and #5800C7 color.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #5800C7; -webkit-box-shadow:4px 4px  
4px 4px #5800C7; box-shadow:4px 4px 4px  
4px #5800C7 }
```

# Background

The CSS property to change the background color of an element to Hex 5800C7 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#5800C7 }
```

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

```
.background{ background-color:#5800C7 }
```

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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