

# Converting Colors

Hex(5840D0)

Have a look what the booklet for  
Hex(5840D0) contains.

<b>Hex(5840D0)</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(5840D0)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	5840D0
RGB	88, 64, 208
RGB Percent	35%, 25%, 82%
CMY	0.6549, 0.7490, 0.1843
CMYK	0.58, 0.69, 0.00, 0.18
HSL	250°, 61%, 53%
HSV	250°, 69%, 82%
XYZ	17.2431, 10.2956, 60.7529
YIQ	87.5920, -31.9200, 49.8720

# Conversions

## Conversions Part 2

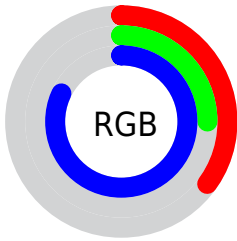
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	88, 64, 208
Decimal	5783760
CIE <sub>Lab</sub>	38.37, 48.71, -70.91
CIE <sub>LCh</sub>	38, 86.029, 304.482
Yxy	10.2956, 0.1953, 0.1166
Android (android.graphics.Color)	4283973840 (0xFF5840D0)
YUV	87.5920, 59.3611, 0.3578
Hunter-Lab	32.0867, 39.7723, -89.7990

# Details

The Hex color **5840D0** is a dark color, and the websafe version is hex **6633CC**. The color can be described as dark muted blue. A complement of this color would be **B8D040**, and the grayscale version is **575757**.

A 20% lighter version of the original color is **9572FF**, and **001098** is the 20% darker color. If you saturate the color by 10%, you get **472BD0**, and if you desaturate by 10%, it is **6955D0**.

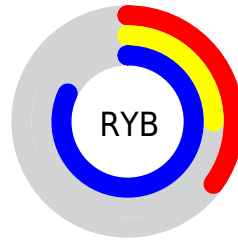
# Distribution



Red (35%)

Green (25%)

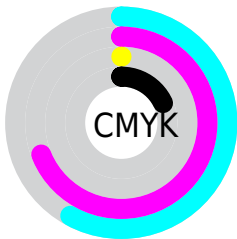
Blue (82%)



Red (35%)

Yellow (25%)

Blue (82%)

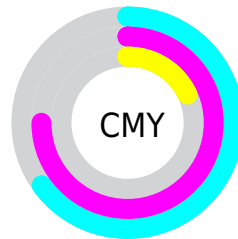


Cyan (58%)

Magenta (69%)

Yellow (0%)

Black (18%)



Cyan (65%)

Magenta (75%)

Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 5840D0 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 5840D0 by changing the saturation by 10% instead.



 5840D0

 5840D0

FFFFFF

 3628B4

 9572FF

 001098

 B38CFF

 00007D

 D1A7FF

 000064

 EFC2FF

 00094B

 FFDFFF

 000433

 FFFCFF

 00021D

 000000

 5840D0

 5840D0

472BD0

6955D0

3516D0

7B6AD0

2402D0

8C7ED0

2300D0

9D93D0

AFA8D0

C0BDD0

D1D2D0

E3E6D0

F4FBD0

# Harmonies

## Analogous

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



0062E9



5840D0



B10098

# Triad

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



5840D0



9C3C00



007464

# Complementary

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



5840D0



B8D040

# 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.



007114



5840D0



665C00

# Square

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



5840D0



C2000D



006B00



0075A9

# Rectangle

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



5840D0



C8006B



006B00



00734B



# Sweetspot

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



5840D0



D2C9FF



40B8D0



656080



000000



808080



# Same Dimension

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



5840D0



4F2BFF



A040D0



605E69



1C00A8



070029



# Inverse Universe

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



D040B8



FF2BDC



70D040



695E67



A8008C

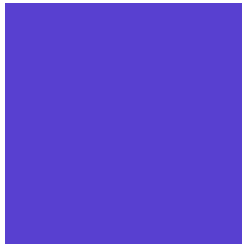


290022



# Previews

## White Background



This preview shows how the Hex color 5840D0 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

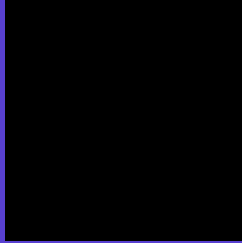
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 5840D0 Background



This preview shows how black text looks on a background with the Hex color 5840D0.

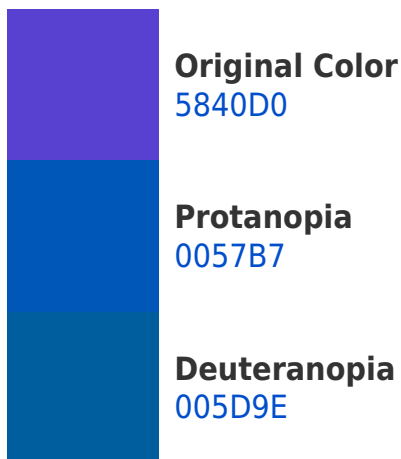


This preview shows how white text looks on a background with the Hex color 5840D0.

# 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](#).

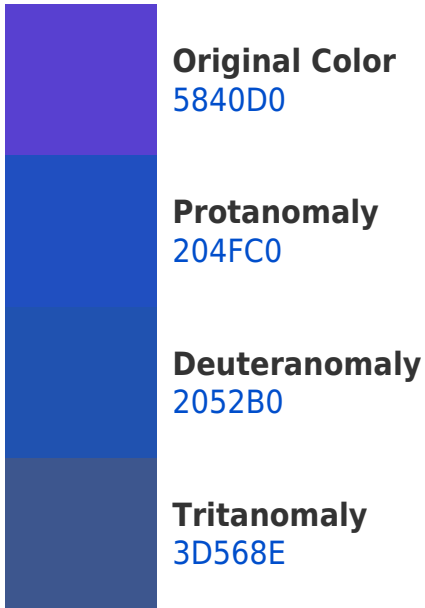
## Dichromacy





**Tritanopia**  
2E6269

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 5840D0 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 #5840D0 looks like.

```
.text, #text, p{  
    color:#5840D0  
}
```

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 #5840D0 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #5840D0  
}
```

## Border

The CSS property to change the border of an element to Hex 5840D0 is called "border". The border property can be set on classes, ids or directly on the HTML element.

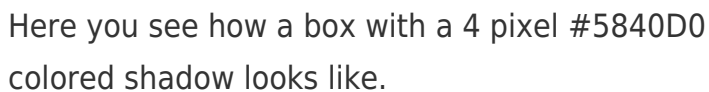
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid  
#5840D0 }
```

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

```
.border{ border-color:#5840D0 }
```

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



Here you see how a box with a 4 pixel #5840D0 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #5840D0; -webkit-box-shadow:4px 4px  
4px 4px #5840D0; box-shadow:4px 4px 4px  
4px #5840D0 }
```

# Background

The CSS property to change the background color of an element to Hex 5840D0 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#5840D0 }
```

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

```
.background{ background-color:#5840D0 }
```

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