

# Converting Colors

Hex(5848B2)

Have a look what the booklet for  
Hex(5848B2) contains.

<b>Hex(5848B2)</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(5848B2)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	5848B2
RGB	88, 72, 178
RGB Percent	35%, 28%, 70%
CMY	0.6549, 0.7176, 0.3020
CMYK	0.51, 0.60, 0.00, 0.30
HSL	249°, 42%, 49%
HSV	249°, 60%, 70%
XYZ	14.3777, 9.9238, 43.2772
YIQ	88.8680, -24.4900, 36.3580

# Conversions

## Conversions Part 2

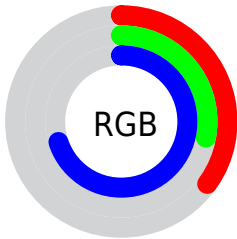
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	88, 72, 178
Decimal	5785778
CIE <sub>Lab</sub>	37.71, 34.92, -54.45
CIE <sub>LCh</sub>	38, 64.691, 302.674
Y <sub>xy</sub>	9.9238, 0.2128, 0.1468
Android (android.graphics.Color)	4283975858 (0xFF5848B2)
Y <sub>UV</sub>	88.8680, 43.9421, -0.7612
Hunter-Lab	31.5020, 26.3400, -59.4005

# Details

The Hex color **5848B2** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **A2B248**, and the grayscale version is **585858**.

A 20% lighter version of the original color is **9079EB**, and **191B7C** is the 20% darker color. If you saturate the color by 10%, you get **4936B2**, and if you desaturate by 10%, it is **675AB2**.

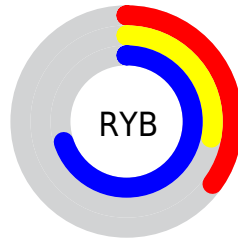
# Distribution



Red (35%)

Green (28%)

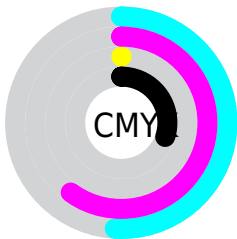
Blue (70%)



Red (35%)

Yellow (28%)

Blue (70%)

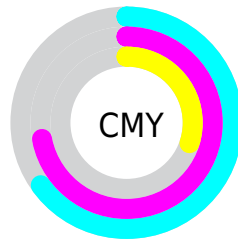


Cyan (51%)

Magenta (60%)

Yellow (0%)

Black (30%)



Cyan (65%)

Magenta (72%)

Yellow (30%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 5848B2 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 5848B2 by changing the saturation by 10% instead.



■ 5848B2

■ 5848B2

FFFFFF

■ 3B3197

■ 9079EB

■ 191B7C

■ AD93FF

■ 000663

■ CAAEFF

■ 00004A

■ E7CAFF

■ 000432

■ FFE6FF

■ 00021C

■ 000000

■ 5848B2

■ 5848B2

■ 4936B2

■ 675AB2

■ 3A24B2

■ 766CB2

■ 2B13B2

■ 857DB2

■ 1C01B2

■ 948FB2

■ 1B00B2

■ A4A1B2

■ B3B3B2

■ C2C5B2

■ D1D6B2

■ E0E8B2

# Harmonies

## Analogous

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



005EC3



5848B2



99258A

# Triad

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



5848B2



914200



006E5C

# Complementary

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



5848B2



A2B248

# 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.



006C24



5848B2



695800

# Square

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



5848B2



AC2124



316500



006E90

# Rectangle

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



5848B2



AC0568



316500



006E4A



# Sweetspot

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



5848B2



C5BEE8



48A2B2



5F5B75



F5F5F5



757575



# Same Dimension

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



5848B2



5C43E8



8D48B2



525059



170099



04001A



# Inverse Universe

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



B248A2



E843CF



6DB248



595058



990082

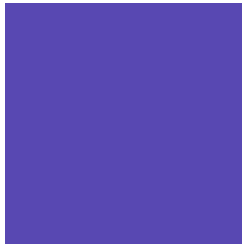


1A0016



# Previews

## White Background



This preview shows how the Hex color 5848B2 looks on a white background.

## Color Contrast Check

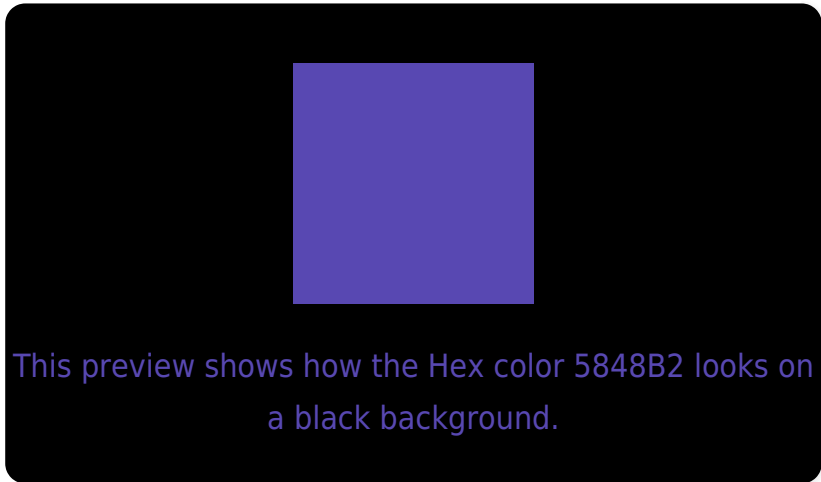
Large Text (above 18pt) WCAG AA ✓ Pass

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

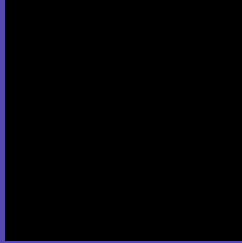
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 5848B2 Background



This preview shows how black text looks on a background with the Hex color 5848B2.

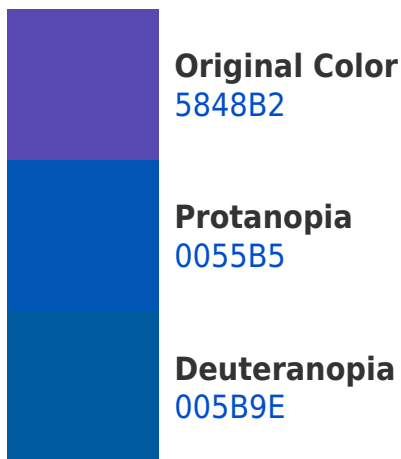



This preview shows how white text looks on a background with the Hex color 5848B2.

# 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](#).

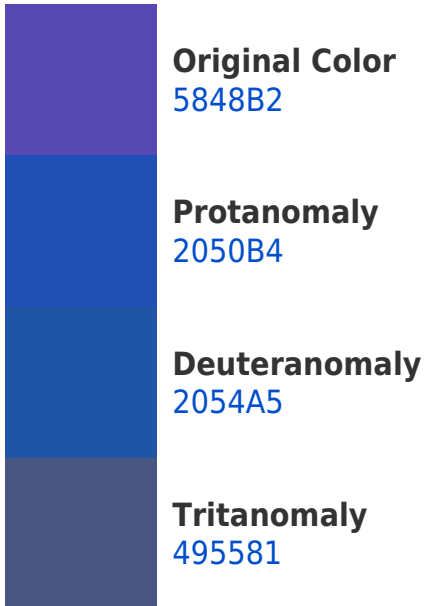
## Dichromacy



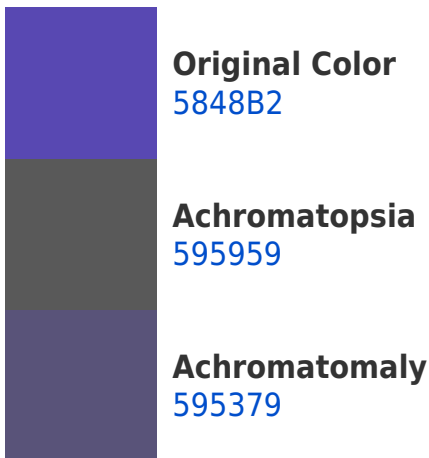


**Tritanopia**  
405D65

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 5848B2 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 #5848B2 looks like.

```
.text, #text, p{  
    color:#5848B2  
}
```

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 #5848B2 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #5848B2
}
```

## Border

The CSS property to change the border of an element to Hex 5848B2 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".

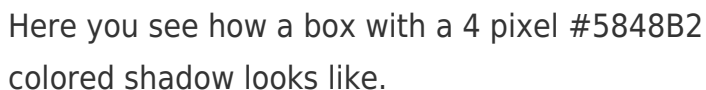
```
.border, #border, table{ border:4px solid
#5848B2 }
```

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

```
.border{ border-color:#5848B2 }
```

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

Here you see how a box with a 4 pixel #5848B2 colored shadow looks like.

A rectangular box with a thick blue border and a blue shadow. The box is white with a blue border and a blue shadow. The shadow is a 4px offset to the right and bottom of the box.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #5848B2; -webkit-box-shadow:4px 4px  
4px 4px #5848B2; box-shadow:4px 4px 4px  
4px #5848B2 }
```

# Background

The CSS property to change the background color of an element to Hex 5848B2 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#5848B2 }
```

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

```
.background{ background-color:#5848B2 }
```

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