

# Converting Colors

Hex(5B45A9)

Have a look what the booklet for  
Hex(5B45A9) contains.

<b>Hex(5B45A9)</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(5B45A9)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	5B45A9
RGB	91, 69, 169
RGB Percent	36%, 27%, 66%
CMY	0.6431, 0.7294, 0.3373
CMYK	0.46, 0.59, 0.00, 0.34
HSL	253°, 42%, 47%
HSV	253°, 59%, 66%
XYZ	13.6039, 9.3450, 38.6229
YIQ	86.9780, -18.9880, 35.7640

# Conversions

## Conversions Part 2

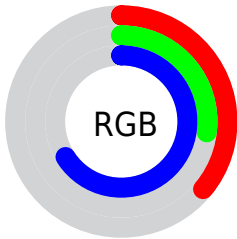
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	91, 69, 169
Decimal	5981609
CIE Lab	36.64, 34.65, -50.82
CIE LCh	37, 61.505, 304.286
Yxy	9.3450, 0.2209, 0.1518
Android (android.graphics.Color)	4284171689 (0xFF5B45A9)
YUV	86.9780, 40.4368, 3.5273
Hunter-Lab	30.5695, 25.9387, -53.5109

# Details

The Hex color **5B45A9** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **93A945**, and the grayscale version is **575757**.

A 20% lighter version of the original color is **9276E1**, and **211874** is the 20% darker color. If you saturate the color by 10%, you get **4E34A9**, and if you desaturate by 10%, it is **6856A9**.

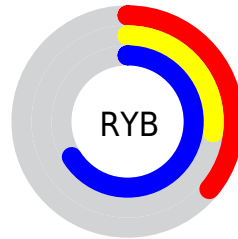
# Distribution



Red (36%)

Green (27%)

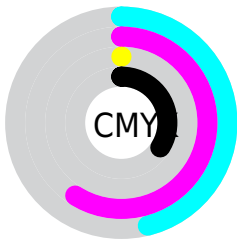
Blue (66%)



Red (36%)

Yellow (27%)

Blue (66%)

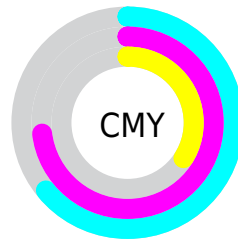


Cyan (46%)

Magenta (59%)

Yellow (0%)

Black (34%)



Cyan (64%)

Magenta (73%)

Yellow (34%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 5B45A9 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 5B45A9 by changing the saturation by 10% instead.



■ 5B45A9

■ 5B45A9

FFFFFF

■ 3F2E8E

■ 9276E1

■ 211874

■ AE90FE

■ 00035B

■ CBABFF

■ 000043

■ E8C6FF

■ 00032B

■ FFE2FF

■ 000116

■ 000000

■ 5B45A9

■ 5B45A9

■ 4E34A9

■ 6856A9

4123A9

7567A9

3312A9

8378A9

2601A9

9089A9

2500A9

9D99A9

AAAAA9

B7BBA9

C4CCA9

D2DDA9

# Harmonies

## Analogous

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



005BBA



5B45A9



952582

# Triad

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



5B45A9



8A4300



006B5C

# Complementary

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



5B45A9



93A945

# 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.



006828



5B45A9



645700

# Square

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



5B45A9



A42521



2E6200



006B8D

# Rectangle

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



5B45A9



A60E62



2E6200



006A4B



# Sweetspot

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



5B45A9



BDB4DB



4593A9



5B566E



EDEDED



6E6E6E



# Same Dimension

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



5B45A9



6240DB



8D45A9



4E4C54



210094



040014



# Inverse Universe

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



A94593



DB40B9



61A945



544C52



940073

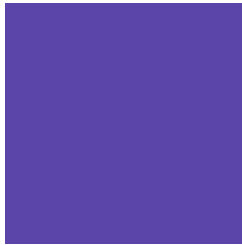


140010



# Previews

## White Background



This preview shows how the Hex color 5B45A9 looks on a white background.

## Color Contrast Check

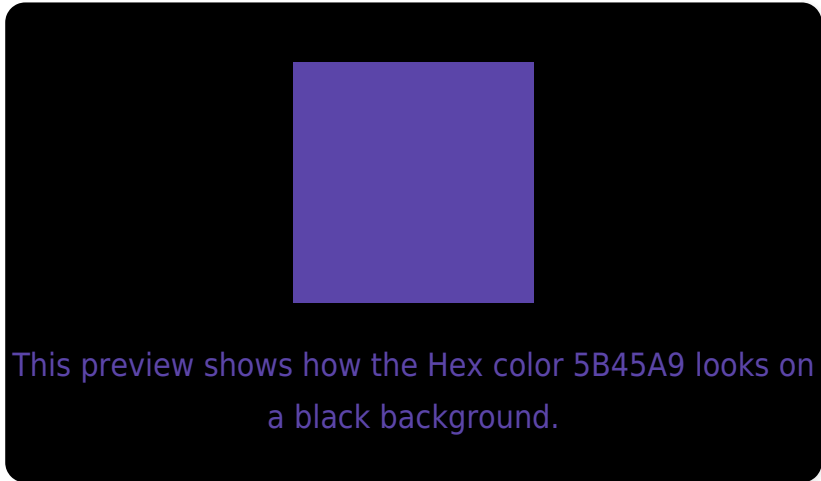
Large Text (above 18pt) WCAG AA ✓ Pass

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

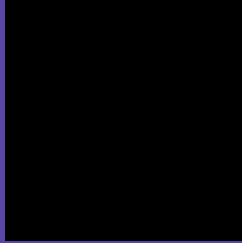
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 5B45A9 Background



This preview shows how black text looks on a background with the Hex color 5B45A9.

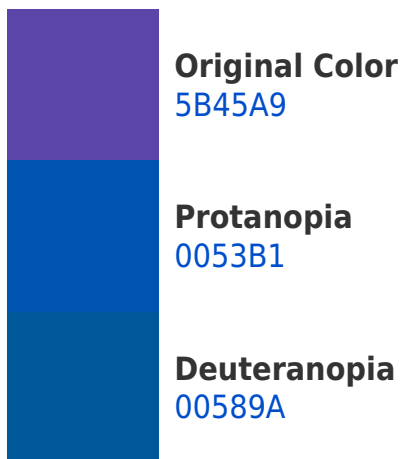


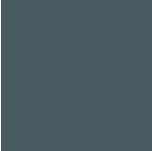
This preview shows how white text looks on a background with the Hex color 5B45A9.

# 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**  
485960

# Trichromacy



**Original Color**  
5B45A9



**Protanomaly**  
214EAE



**Deuteranomaly**  
21519F



**Tritanomaly**  
4F527B

# Monochromacy



**Original Color**  
5B45A9



**Achromatopsia**  
575757



**Achromatomaly**  
585075

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 5B45A9 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 #5B45A9 looks like.

```
.text, #text, p{  
    color:#5B45A9  
}
```

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 #5B45A9 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #5B45A9
}
```

## Border

The CSS property to change the border of an element to Hex 5B45A9 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
#5B45A9 }
```

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

```
.border{ border-color:#5B45A9 }
```

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

Here you see how a box with a 4 pixel #5B45A9 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #5B45A9; -webkit-box-shadow:4px 4px  
4px 4px #5B45A9; box-shadow:4px 4px 4px  
4px #5B45A9 }
```

# Background

The CSS property to change the background color of an element to Hex 5B45A9 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#5B45A9 }
```

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

```
.background{ background-color:#5B45A9 }
```

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