

# Converting Colors

Hex(5B00B8)

Have a look what the booklet for  
Hex(5B00B8) contains.

<b>Hex(5B00B8)</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(5B00B8)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	5B00B8
RGB	91, 0, 184
RGB Percent	36%, 0%, 72%
CMY	0.6431, 1.0000, 0.2784
CMYK	0.51, 1.00, 0.00, 0.28
HSL	270°, 100%, 36%
HSV	270°, 100%, 72%
XYZ	12.9661, 5.6848, 45.7613
YIQ	48.1850, -4.8280, 76.5160

# Conversions

## Conversions Part 2

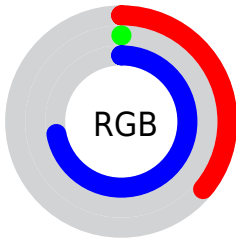
<b>Format</b>	<b>Color</b>
<b>RYB</b>	91, 0, 184
Decimal	5963960
CIELab	28.60, 65.14, -72.91
CIELCh	29, 97.768, 311.778
Yxy	5.6848, 0.2013, 0.0883
Android (android.graphics.Color)	4284154040 (0xFF5B00B8)
YUV	48.1850, 66.9568, 37.5488
Hunter-Lab	23.8429, 55.3458, -97.1043

# Details

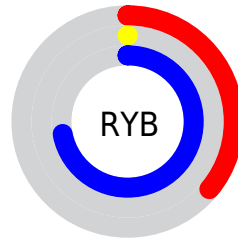
The Hex color **5B00B8** is a dark color, and the websafe version is hex **6600CC**. A complement of this color would be **5DB800**, and the grayscale version is **303030**.

A 20% lighter version of the original color is **9746F1**, and **0F0081** is the 20% darker color. If you saturate the color by 10%, you get **5B00B8**, and if you desaturate by 10%, it is **6412B8**.

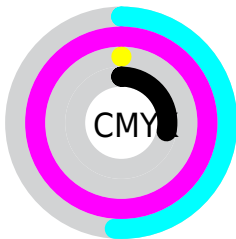
# Distribution



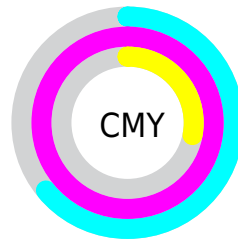
- Red (36%)
- Green (0%)
- Blue (72%)



- Red (36%)
- Yellow (0%)
- Blue (72%)



- Cyan (51%)
- Magenta (100%)
- Yellow (0%)
- Black (28%)



- Cyan (64%)
- Magenta (100%)
- Yellow (28%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 5B00B8 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 5B00B8 by changing the saturation by 10% instead.



 5B00B8

 5B00B8


FFFFFF

 3B009C

 9746F1

 0F0081

 B561FF

 000067

 D37CFF

 00004E

 F198FF

 000536

 FFB4FF

 000220

 FFD0FF

 000004

 FFEDFF

 000000

 5B00B8

 6412B8

 6E25B8

 7737B8

 804AB8

 895CB8

 936EB8

 9C81B8

 A593B8

 AFA6B8

# Harmonies

## Analogous

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



0048DE



5B00B8



AA0075

# Triad

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



5B00B8



772C00



005B61

# Complementary

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



5B00B8



5DB800

# 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.



00590A



5B00B8



374A00

# Square

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



5B00B8



A40000



005500



005DAA

# Rectangle

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



5B00B8



B90043



005500



005B47



# Sweetspot

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



5B00B8



CBA8F0



005FB8



624D78



F7F7F7



787878



# Same Dimension

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



5B00B8



7700F0



B500B8



57535C



4D009C



0E001C



# Inverse Universe

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



B8005D



F00079



03B800



5C5357



9C004F

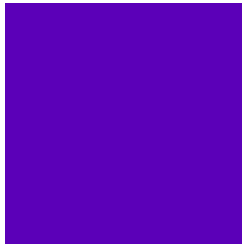


1C000E



# Previews

## White Background



This preview shows how the Hex color 5B00B8 looks on a white background.

## Color Contrast Check

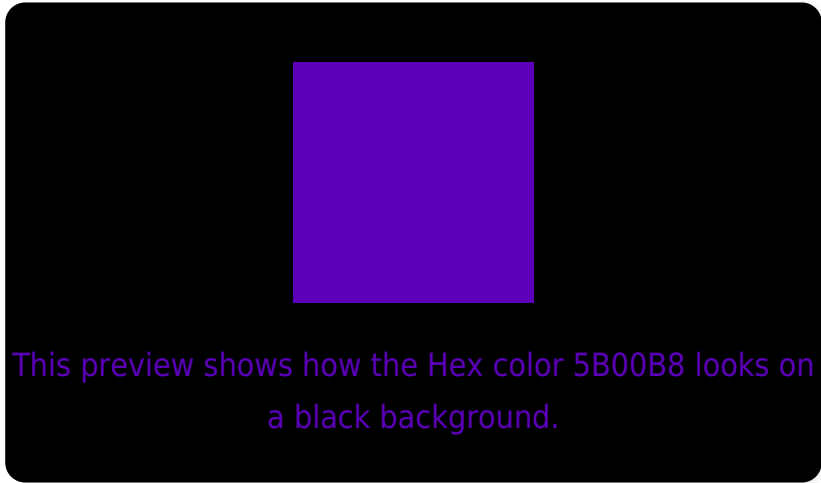
Large Text (above 18pt) WCAG AA ✓ Pass

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

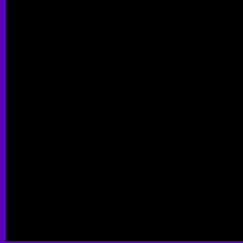
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 5B00B8 Background



This preview shows how black text looks on a background with the Hex color 5B00B8.



This preview shows how white text looks on a background with the Hex color 5B00B8.

# 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](#).

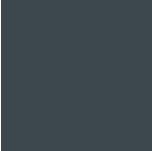
## Dichromacy



**Original Color**  
5B00B8

**Protanopia**  
00448E

**Deuteranopia**  
004879



**Tritanopia**  
3C484D

# Trichromacy



**Original Color**  
5B00B8

**Protanomaly**  
212B9D

**Deuteranomaly**  
212E90

**Tritanomaly**  
472E74

# Monochromacy



**Original Color**  
5B00B8

**Achromatopsia**  
303030

**Achromatomaly**  
401F61

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 5B00B8 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 #5B00B8 looks like.

```
.text, #text, p{  
    color:#5B00B8  
}
```

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 #5B00B8 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #5B00B8  
}
```

## Border

The CSS property to change the border of an element to Hex 5B00B8 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  
#5B00B8 }
```

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

```
.border{ border-color:#5B00B8 }
```

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

Here you see how a box with a 4 pixel #5B00B8 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #5B00B8; -webkit-box-shadow:4px 4px  
4px 4px #5B00B8; box-shadow:4px 4px 4px  
4px #5B00B8 }
```

# Background

The CSS property to change the background color of an element to Hex 5B00B8 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#5B00B8 }
```

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

```
.background{ background-color:#5B00B8 }
```

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**