

# Converting Colors

Hex(5B00B6)

Have a look what the booklet for  
Hex(5B00B6) contains.

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# Color

**Hex(5B00B6)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	5B00B6
RGB	91, 0, 182
RGB Percent	36%, 0%, 71%
CMY	0.6431, 1.0000, 0.2863
CMYK	0.50, 1.00, 0.00, 0.29
HSL	270°, 100%, 36%
HSV	270°, 100%, 71%
XYZ	12.7579, 5.6015, 44.6648
YIQ	47.9570, -4.1860, 75.8940

# Conversions

## Conversions Part 2

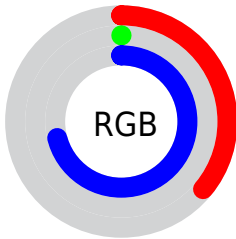
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	91, 0, 182
Decimal	5963958
CIE <sub>Lab</sub>	28.38, 64.70, -72.08
CIE <sub>LCh</sub>	28, 96.856, 311.909
Yxy	5.6015, 0.2024, 0.0889
Android (android.graphics.Color)	4284154038 (0xFF5B00B6)
YUV	47.9570, 66.0832, 37.7487
Hunter-Lab	23.6676, 54.8012, -95.3230

# Details

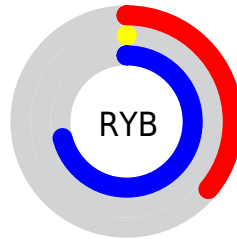
The Hex color **5B00B6** is a dark color, and the websafe version is hex **6600CC**. A complement of this color would be **5BB600**, and the grayscale version is **2F2F2F**.

A 20% lighter version of the original color is **9745EF**, and **11007F** is the 20% darker color. If you saturate the color by 10%, you get **5B00B6**, and if you desaturate by 10%, it is **6412B6**.

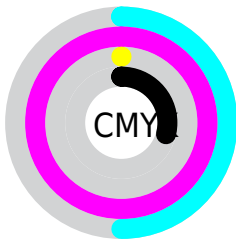
# Distribution



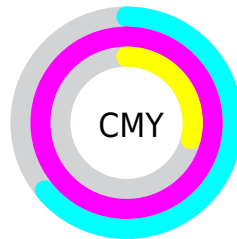
- Red (36%)
- Green (0%)
- Blue (71%)



- Red (36%)
- Yellow (0%)
- Blue (71%)



- Cyan (50%)
- Magenta (100%)
- Yellow (0%)
- Black (29%)



- Cyan (64%)
- Magenta (100%)
- Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 5B00B6 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 5B00B6 by changing the saturation by 10% instead.



 5B00B6

 5B00B6

FFFFFF

 3B009A

 9745EF

 11007F

 B461FF

 000066

 D27CFF

 00004C

 F197FF

 000534

 FF33FF

 00021E

 FFD0FF

 000001

 FFEDFF

 000000

 5B00B6

 6412B6

 6D24B6

 7637B6

 7F49B6

 895BB6

 926DB6

 9B7FB6

 A492B6

 ADA4B6

# Harmonies

## Analogous

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



0048DC



5B00B6



A80073

# Triad

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



5B00B6



762C00



005B61

# Complementary

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



5B00B6



5BB600

# 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.



00580B



5B00B6



374A00

# Square

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



5B00B6



A30000



005500



005DA9

# Rectangle

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



5B00B6



B80043



005500



005A46



# Sweetspot

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



5B00B6



CAA6ED



005BB6



624D78



F7F7F7



787878



# Same Dimension

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



5B00B6



7700ED



B600B6



57535C



4E009C



0E001C



# Inverse Universe

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



B6005B



ED0077



00B600



5C5357



9C004E

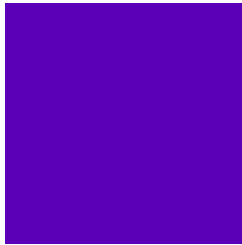


1C000E



# Previews

## White Background



This preview shows how the Hex color 5B00B6 looks on a white background.

## Color Contrast Check

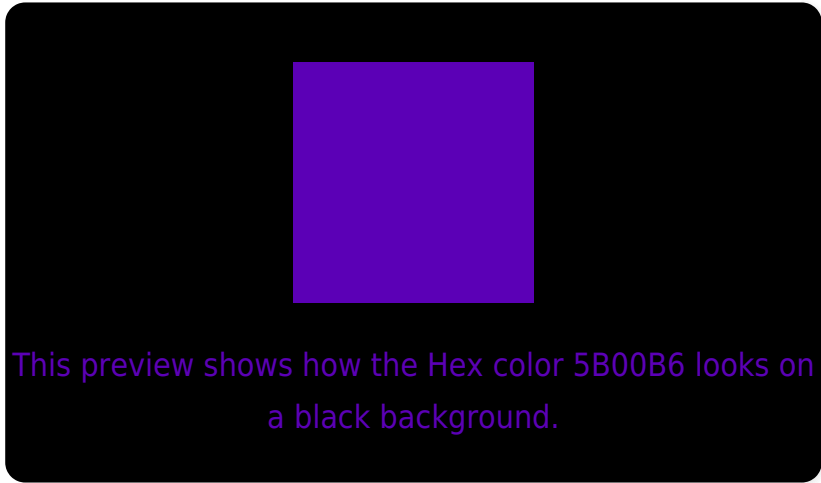
Large Text (above 18pt) WCAG AA ✓ Pass

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

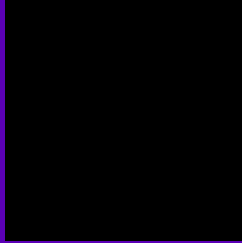
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 5B00B6 Background



This preview shows how black text looks on a background with the Hex color 5B00B6.

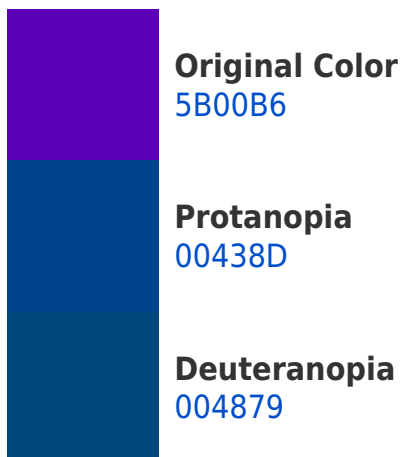


This preview shows how white text looks on a background with the Hex color 5B00B6.

# 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**  
3D474D

# Trichromacy



**Original Color**  
5B00B6

**Protanomaly**  
212B9C

**Deuteranomaly**  
212E8F

**Tritanomaly**  
482D73

# Monochromacy



**Original Color**  
5B00B6

**Achromatopsia**  
303030

**Achromatomaly**  
401F61

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 5B00B6 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 #5B00B6 looks like.

```
.text, #text, p{  
    color:#5B00B6  
}
```

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 #5B00B6 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #5B00B6
}
```

## Border

The CSS property to change the border of an element to Hex 5B00B6 is called "border". The border property can be set on classes, ids or directly on the HTML element.

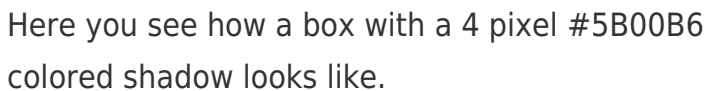
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#5B00B6 }
```

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

```
.border{ border-color:#5B00B6 }
```

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



Here you see how a box with a 4 pixel #5B00B6 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #5B00B6; -webkit-box-shadow:4px 4px  
4px 4px #5B00B6; box-shadow:4px 4px 4px  
4px #5B00B6 }
```

# Background

The CSS property to change the background color of an element to Hex 5B00B6 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#5B00B6 }
```

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

```
.background{ background-color:#5B00B6 }
```

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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