

# Converting Colors

Hex(5700B0)

Have a look what the booklet for  
Hex(5700B0) contains.

|  |    |
|--|----|
| <b>Hex(5700B0)</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(5700B0)**

# Conversions

## Conversions Part 1

| Format      | Color                     |
|-------------|---------------------------|
| Hex         | 5700B0                    |
| RGB         | 87, 0, 176                |
| RGB Percent | 34%, 0%, 69%              |
| CMY         | 0.6588, 1.0000, 0.3098    |
| CMYK        | 0.51, 1.00, 0.00, 0.31    |
| HSL         | 270°, 100%, 35%           |
| HSV         | 270°, 100%, 69%           |
| XYZ         | 11.7670, 5.1608, 41.4502  |
| YIQ         | 46.0770, -4.6440, 73.1800 |

# Conversions

## Conversions Part 2

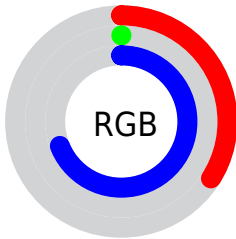
| <b>Format</b>                       | <b>Color</b>                  |
|-------------------------------------|-------------------------------|
| R <sub>Y</sub> B                    | 87, 0, 176                    |
| Decimal                             | 5701808                       |
| CIE Lab                             | 27.19, 63.04, -70.49          |
| CIE LCh                             | 27, 94.567, 311.809           |
| Yxy                                 | 5.1608, 0.2016,<br>0.0884     |
| Android<br>(android.graphics.Color) | 4283891888<br>(0xFF5700B0)    |
| YUV                                 | 46.0770, 64.0520,<br>35.8895  |
| Hunter-Lab                          | 22.7175, 52.7021,<br>-92.2783 |

# Details

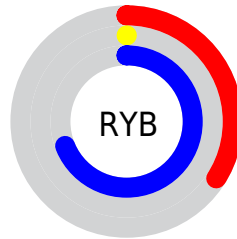
The Hex color **5700B0** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **59B000**, and the grayscale version is **2D2D2D**.

A 20% lighter version of the original color is **9244E9**, and **0A007A** is the 20% darker color. If you saturate the color by 10%, you get **5700B0**, and if you desaturate by 10%, it is **6012B0**.

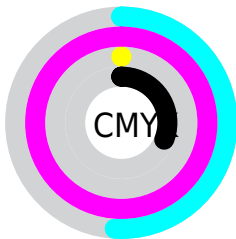
# Distribution



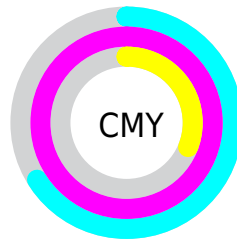
- Red (34%)
- Green (0%)
- Blue (69%)



- Red (34%)
- Yellow (0%)
- Blue (69%)



- Cyan (51%)
- Magenta (100%)
- Yellow (0%)
- Black (31%)



- Cyan (66%)
- Magenta (100%)
- Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 5700B0 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 5700B0 by changing the saturation by 10% instead.



■ 5700B0

■ 5700B0

FFFFFF

■ 370095

■ 9244E9

■ 0A007A

■ B05FFF

■ 000060

■ CE7AFF

■ 000247

■ EC96FF

■ 000430

■ FFB1FF

■ 00011A

■ FFCEFF

■ 000000

■ FFE8FF

■ 5700B0

 6012B0

 6923B0

 7235B0

 7B46B0

 8358B0

 8C6AB0

 957BB0

 9E8DB0

 A79EB0

# Harmonies

## Analogous

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



0045D5



5700B0



A2006F

# Triad

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



5700B0



722A00



00575D

# Complementary

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



5700B0



59B000

# 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.



00550A



5700B0



354700

# Square

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



5700B0



9D0000



005100



0059A3

# Rectangle

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



5700B0



B10040



005100



005643



# Sweetspot

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



5700B0



C3A1E6



005BB0



5E4973



F2F2F2



737373



# Same Dimension

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



5700B0



7100E6



AD00B0



555059



4C0099



0D001A



# Inverse Universe

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



B00059



E60074



03B000



595055



99004D

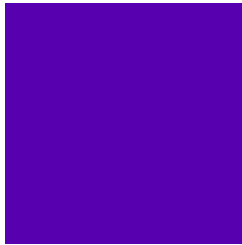


1A000D



# Previews

## White Background



This preview shows how the Hex color 5700B0 looks on a white background.

## Color Contrast Check

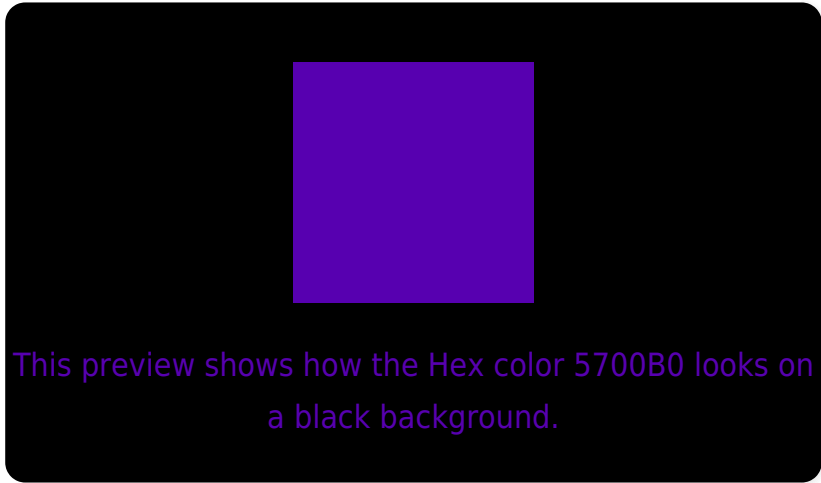
Large Text (above 18pt) WCAG AA ✓ Pass

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

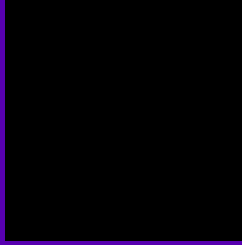
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 5700B0 Background



This preview shows how black text looks on a background with the Hex color 5700B0.



This preview shows how white text looks on a background with the Hex color 5700B0.

# 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**  
5700B0

**Protanopia**  
004188

**Deuteranopia**  
004574



**Tritanopia**  
3A454A

# Trichromacy



**Original Color**  
5700B0

**Protanomaly**  
202997

**Deuteranomaly**  
202C8A

**Tritanomaly**  
452C6F

# Monochromacy



**Original Color**  
5700B0

**Achromatopsia**  
2E2E2E

**Achromatomaly**  
3D1D5D

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 5700B0 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 #5700B0 looks like.

```
.text, #text, p{  
  color:#5700B0  
}
```

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 #5700B0 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #5700B0
}
```

## Border

The CSS property to change the border of an element to Hex 5700B0 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
#5700B0 }
```

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

```
.border{ border-color:#5700B0 }
```

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

Here you see how a box with a 4 pixel #5700B0 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #5700B0; -webkit-box-shadow:4px 4px  
4px 4px #5700B0; box-shadow:4px 4px 4px  
4px #5700B0 }
```

# Background

The CSS property to change the background color of an element to Hex 5700B0 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#5700B0 }
```

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

```
.background{ background-color:#5700B0 }
```

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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