

Converting Colors

Hex(5800BD)

Have a look what the booklet for
Hex(5800BD) contains.

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Color

Hex(5800BD)

Conversions

Conversions Part 1

Format	Color
Hex	5800BD
RGB	88, 0, 189
RGB Percent	35%, 0%, 74%
CMY	0.6549, 1.0000, 0.2588
CMYK	0.53, 1.00, 0.00, 0.26
HSL	268°, 100%, 37%
HSV	268°, 100%, 74%
XYZ	13.2098, 5.7488, 48.5575
YIQ	47.8580, -8.2210, 77.4350

Conversions

Conversions Part 2

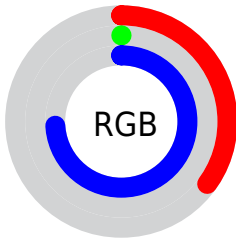
Format	Color
RYB	88, 0, 189
Decimal	5767357
CIELab	28.77, 66.02, -75.61
CIElCh	29, 100.379, 311.126
Yxy	5.7488, 0.1957, 0.0851
Android (android.graphics.Color)	4283957437 (0xFF5800BD)
YUV	47.8580, 69.5830, 35.2045
Hunter-Lab	23.9767, 56.3841, -103.2901

Details

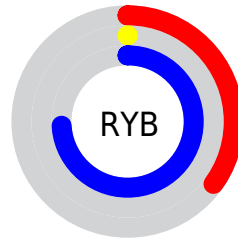
The Hex color **5800BD** is a dark color, and the websafe version is hex **6600CC**. A complement of this color would be **65BD00**, and the grayscale version is **2F2F2F**.

A 20% lighter version of the original color is **9546F7**, and **000086** is the 20% darker color. If you saturate the color by 10%, you get **5800BD**, and if you desaturate by 10%, it is **6213BD**.

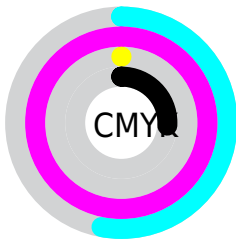
Distribution



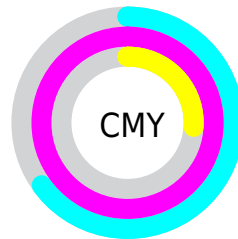
- Red (35%)
- Green (0%)
- Blue (74%)



- Red (35%)
- Yellow (0%)
- Blue (74%)



- Cyan (53%)
- Magenta (100%)
- Yellow (0%)
- Black (26%)



- Cyan (65%)
- Magenta (100%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the Hex color 5800BD 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 5800BD by changing the saturation by 10% instead.

 5800BD

 5800BD

FFFFFF

 3600A1

 9546F7

 000086

 B361FF

 00006C

 D17CFF

 000052

 F098FF

 00053A

 FFB4FF

 000224

 FFD0FF

 00000B

 FFEEFF

 000000

 5800BD

 6213BD

 6C26BD

 7639BD

 804CBD

 8A5FBD

 9571BD

 9F84BD

 A997BD

 B3AABD

Harmonies

Analogous

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



004AE4



5800BD



AC0078

Triad

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



5800BD



7A2A00



005C60

Complementary

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



5800BD



65BD00

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.



005A05



5800BD



394A00

Square

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



5800BD



A80000



005600



005EAC

Rectangle

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



5800BD



BC0045



005600



005B45

Sweetspot

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



5800BD



CEABF5



0068BD



634E7A



FAFAFA



7A7A7A

Same Dimension

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



5800BD



7200F5



B400BD



59555E



4A009E



0E001F

Inverse Universe

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



BD0065



F50083



09BD00



5E555A



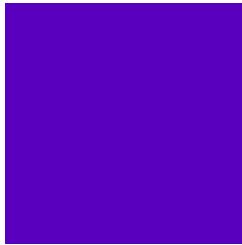
9E0054



1F0010

Previews

White Background



This preview shows how the Hex color 5800BD looks on a white background.

Color Contrast Check

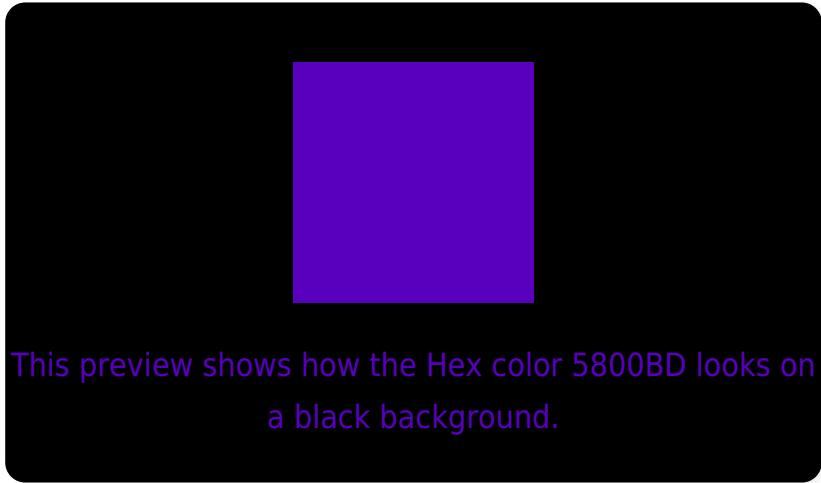
Large Text (above 18pt) WCAG AA ✓ Pass

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

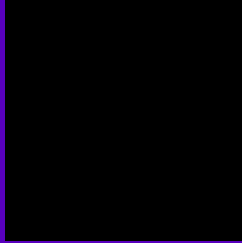
Any Text WCAG AA × Fail

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 5800BD Background



This preview shows how black text looks on a background with the Hex color 5800BD.



This preview shows how white text looks on a background with the Hex color 5800BD.

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
5800BD

Protanopia
00448F

Deuteranopia
00487A



Tritanopia
354A4F

Trichromacy



Original Color
5800BD

Protanomaly
202BA0

Deuteranomaly
202E92

Tritanomaly
422F77

Monochromacy



Original Color
5800BD

Achromatopsia
303030

Achromatomaly
3F1F63

CSS Examples

Text

The CSS property to change the color of the text to Hex 5800BD 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 #5800BD looks like.

```
.text, #text, p{  
    color:#5800BD  
}
```

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 #5800BD colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #5800BD
}
```

Border

The CSS property to change the border of an element to Hex 5800BD 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".

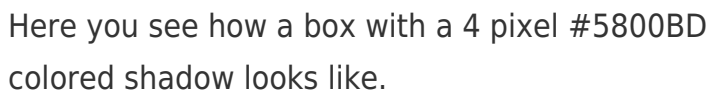
```
.border, #border, table{ border:4px solid
#5800BD }
```

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

```
.border{ border-color:#5800BD }
```

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

Here you see how a box with a 4 pixel #5800BD colored shadow looks like.

A rectangular box with a thick purple border and a purple shadow. The shadow is cast to the right and bottom of the box, matching the border color.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #5800BD; -webkit-box-shadow:4px 4px  
4px 4px #5800BD; box-shadow:4px 4px 4px  
4px #5800BD }
```

Background

The CSS property to change the background color of an element to Hex 5800BD is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#5800BD }
```

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

```
.background{ background-color:#5800BD }
```

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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