

Converting Colors

Hex(5800B6)

Have a look what the booklet for
Hex(5800B6) contains.

Hex(5800B6)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(5800B6)

Conversions

Conversions Part 1

Format	Color
Hex	5800B6
RGB	88, 0, 182
RGB Percent	35%, 0%, 71%
CMY	0.6549, 1.0000, 0.2863
CMYK	0.52, 1.00, 0.00, 0.29
HSL	269°, 100%, 36%
HSV	269°, 100%, 71%
XYZ	12.4680, 5.4521, 44.6512
YIQ	47.0600, -5.9740, 75.2580

Conversions

Conversions Part 2

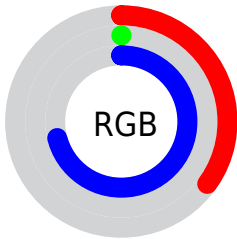
Format	Color
R_{YB}	88, 0, 182
Decimal	5767350
CIE _{Lab}	27.99, 64.46, -72.75
CIE _{LCh}	28, 97.199, 311.541
Yxy	5.4521, 0.1993, 0.0871
Android (android.graphics.Color)	4283957430 (0xFF5800B6)
YUV	47.0600, 66.5254, 35.9044
Hunter-Lab	23.3497, 54.4511, -97.0341

Details

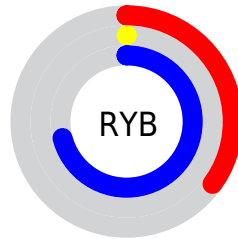
The Hex color **5800B6** is a dark color, and the websafe version is hex **6600CC**. A complement of this color would be **5EB600**, and the grayscale version is **2E2E2E**.

A 20% lighter version of the original color is **9445EF**, and **07007F** is the 20% darker color. If you saturate the color by 10%, you get **5800B6**, and if you desaturate by 10%, it is **6112B6**.

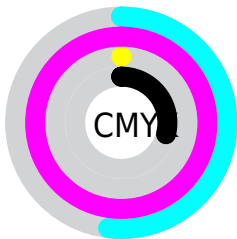
Distribution



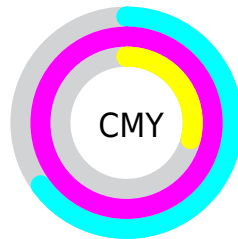
- Red (35%)
- Green (0%)
- Blue (71%)



- Red (35%)
- Yellow (0%)
- Blue (71%)



- Cyan (52%)
- Magenta (100%)
- Yellow (0%)
- Black (29%)



- Cyan (65%)
- Magenta (100%)
- Yellow (29%)
- Black (6%)

Brightness & Saturation Gradients

These gradients show how the Hex color 5800B6 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 5800B6 by changing the saturation by 10% instead.

 5800B6

 5800B6

FFFFFF

 37009A

 9445EF

 07007F

 B260FF

 000066

 D07BFF

 00004C

 EE97FF

 000534

 FFB3FF

 00021E

 FFCFFF

 000001

 FFECFF

 000000

 5800B6

 6112B6

 6B24B6

 7437B6

 7E49B6

 875BB6

 906DB6

 9A7FB6

 A392B6

 ADA4B6

Harmonies

Analogous

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



0047DC



5800B6



A70073

Triad

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



5800B6



762A00



005A5F

Complementary

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



5800B6



5EB600

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.



005708



5800B6



374900

Square

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



5800B6



A20000



005400



005CA7

Rectangle

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



5800B6



B60043



005400



005945

Sweetspot

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



5800B6



C8A6ED



005EB6



624D78



F7F7F7



787878

Same Dimension

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



5800B6



7300ED



B300B6



57535C



4B009C



0E001C

Inverse Universe

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



B6005E



ED007A



03B600



5C5357



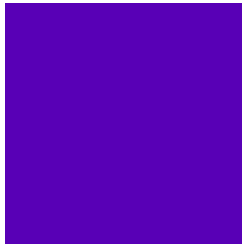
9C0050



1C000E

Previews

White Background



This preview shows how the Hex color 5800B6 looks on a white background.

Color Contrast Check

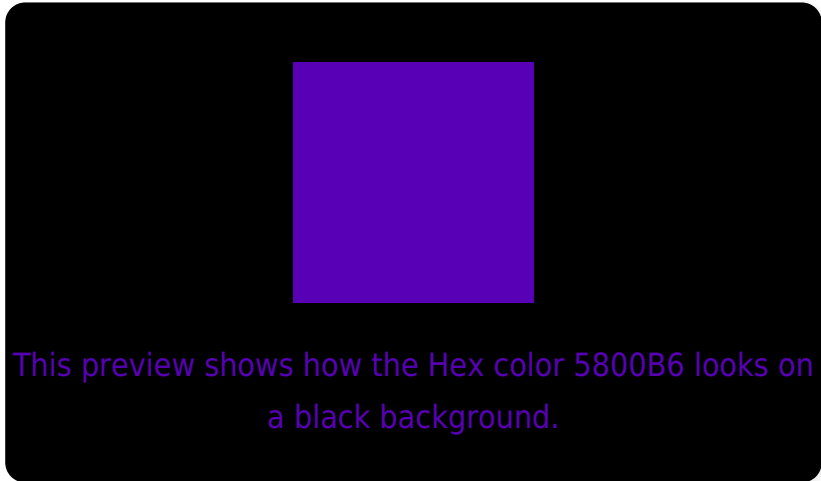
Large Text (above 18pt) WCAG AA ✓ Pass

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

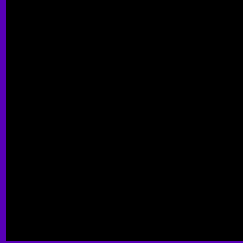
Any Text WCAG AA × Fail

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 5800B6 Background



This preview shows how black text looks on a background with the Hex color 5800B6.

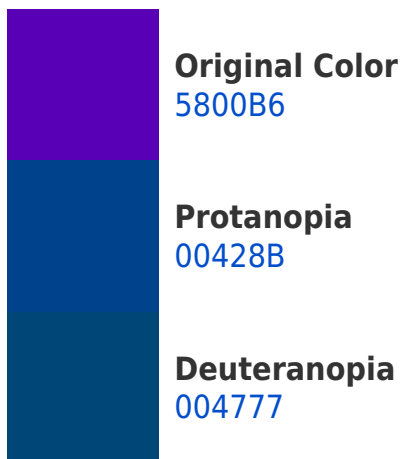


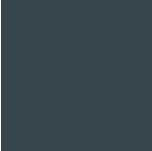
This preview shows how white text looks on a background with the Hex color 5800B6.

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
38474D

Trichromacy



Original Color
5800B6



Protanomaly
202A9B



Deuteranomaly
202D8E



Tritanomaly
442D73

Monochromacy



Original Color
5800B6



Achromatopsia
2F2F2F



Achromatomaly
3E1E60

CSS Examples

Text

The CSS property to change the color of the text to Hex 5800B6 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 #5800B6 looks like.

```
.text, #text, p{  
    color:#5800B6  
}
```

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 #5800B6 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #5800B6
}
```

Border

The CSS property to change the border of an element to Hex 5800B6 is called "border". The border property can be set on classes, ids or directly on the HTML element.

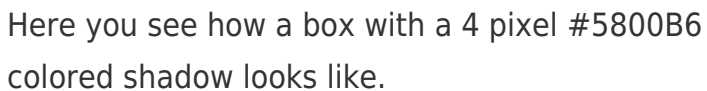
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#5800B6 }
```

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

```
.border{ border-color:#5800B6 }
```

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



Here you see how a box with a 4 pixel #5800B6 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #5800B6; -webkit-box-shadow:4px 4px  
4px 4px #5800B6; box-shadow:4px 4px 4px  
4px #5800B6 }
```

Background

The CSS property to change the background color of an element to Hex 5800B6 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#5800B6 }
```

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

```
.background{ background-color:#5800B6 }
```

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