

# Converting Colors

Hex(6800B3)

Have a look what the booklet for  
Hex(6800B3) contains.

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**Color**

**Hex(6800B3)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	6800B3
RGB	104, 0, 179
RGB Percent	41%, 0%, 70%
CMY	0.5922, 1.0000, 0.2980
CMYK	0.42, 1.00, 0.00, 0.30
HSL	275°, 100%, 35%
HSV	275°, 100%, 70%
XYZ	13.8456, 6.1977, 43.1144
YIQ	51.5020, 4.5250, 77.7170

# Conversions

## Conversions Part 2

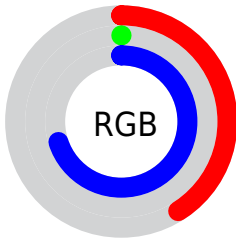
<b>Format</b>	<b>Color</b>
<b>RYB</b>	104, 0, 179
Decimal	6815923
CIELab	29.91, 65.21, -67.72
CIElCh	30, 94.012, 313.921
Yxy	6.1977, 0.2192, 0.0981
Android (android.graphics.Color)	4285006003 (0xFF6800B3)
YUV	51.5020, 62.8565, 46.0407
Hunter-Lab	24.8952, 55.7069, -85.2536

# Details

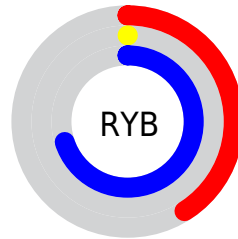
The Hex color **6800B3** is a dark color, and the websafe version is hex **6633CC**. A complement of this color would be **4BB300**, and the grayscale version is **333333**.

A 20% lighter version of the original color is **A247EC**, and **2A007D** is the 20% darker color. If you saturate the color by 10%, you get **6800B3**, and if you desaturate by 10%, it is **6F12B3**.

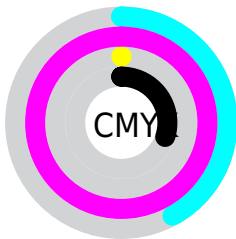
# Distribution



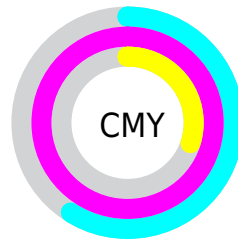
- Red (41%)
- Green (0%)
- Blue (70%)



- Red (41%)
- Yellow (0%)
- Blue (70%)



- Cyan (42%)
- Magenta (100%)
- Yellow (0%)
- Black (30%)



- Cyan (59%)
- Magenta (100%)
- Yellow (30%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 6800B3 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 6800B3 by changing the saturation by 10% instead.



 6800B3

 6800B3

FFFFFF

 4A0098

 A247EC

 2A007D

 C063FF

 020063

 DE7EFF

 00004A

 FC9AFF

 000432

 FFB6FF

 00021C

 FFD3FF

 000000

 FFF0FF

 6800B3

 6F12B3

 7724B3

 7E36B3

 8648B3

 8D5AB3

 956BB3

 9C7DB3

 A48FB3

 ABA1B3

# Harmonies

## Analogous

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



0048DA



6800B3



AD0071

# Triad

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



6800B3



763300



005F68

# Complementary

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



6800B3



4BB300

# 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.



005C19



6800B3



364E00

# Square

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



6800B3



A30000



005900



0060AE

# Rectangle

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



6800B3



BA0041



005900



005E4F



# Sweetspot

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



6800B3



CBA2E8



004EB3



644B75



F5F5F5



757575



# Same Dimension

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



6800B3



8700E8



B300A7



565059



590099



0F001A



# Inverse Universe

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



B3004B



E80061



00B30C



595054



990040

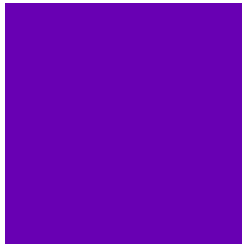


1A000B



# Previews

## White Background



This preview shows how the Hex color 6800B3 looks on a white background.

## Color Contrast Check

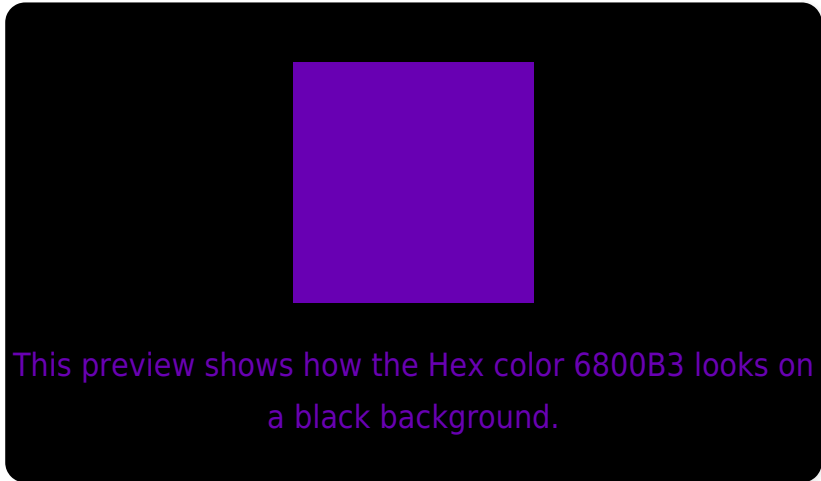
Large Text (above 18pt) WCAG AA ✓ Pass

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 6800B3 Background



This preview shows how black text looks on a background with the Hex color 6800B3.



This preview shows how white text looks on a background with the Hex color 6800B3.

# 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**  
6800B3

**Protanopia**  
004794

**Deuteranopia**  
004B7F



**Tritanopia**  
51464B

# Trichromacy



**Original Color**  
6800B3

**Protanomaly**  
262D9F

**Deuteranomaly**  
263092

**Tritanomaly**  
592D71

# Monochromacy



**Original Color**  
6800B3

**Achromatopsia**  
343434

**Achromatomaly**  
472162

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 6800B3 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 #6800B3 looks like.

```
.text, #text, p{  
    color:#6800B3  
}
```

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 #6800B3 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #6800B3
}
```

## Border

The CSS property to change the border of an element to Hex 6800B3 is called "border". The border property can be set on classes, ids or directly on the HTML element.

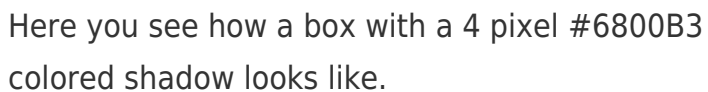
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#6800B3 }
```

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

```
.border{ border-color:#6800B3 }
```

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



Here you see how a box with a 4 pixel #6800B3 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #6800B3; -webkit-box-shadow:4px 4px  
4px 4px #6800B3; box-shadow:4px 4px 4px  
4px #6800B3 }
```

# Background

The CSS property to change the background color of an element to Hex 6800B3 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#6800B3 }
```

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

```
.background{ background-color:#6800B3 }
```

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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