

# Converting Colors

Hex(8066D3)

Have a look what the booklet for  
Hex(8066D3) contains.

<b>Hex(8066D3)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

Hex(8066D3)

# Conversions

## Conversions Part 1

Format	Color
Hex	8066D3
RGB	128, 102, 211
RGB Percent	50%, 40%, 83%
CMY	0.4980, 0.6000, 0.1725
CMYK	0.39, 0.52, 0.00, 0.17
HSL	254°, 55%, 61%
HSV	254°, 52%, 83%
XYZ	25.4113, 18.7951, 63.9165
YIQ	122.2000, -19.4930, 39.4110

# Conversions

## Conversions Part 2

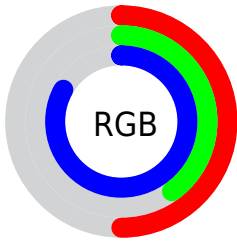
Format	Color
<a href="#">RYB</a>	<a href="#">128, 102, 211</a>
Decimal	<a href="#">8414931</a>
CIELab	<a href="#">50.45, 35.70, -52.90</a>
CIELCh	<a href="#">50, 63.817, 304.014</a>
Yxy	<a href="#">18.7951, 0.2350, 0.1738</a>
Android (android.graphics.Color)	<a href="#">4286605011 (0xFF8066D3)</a>
YUV	<a href="#">122.2000, 43.7784, 5.0866</a>
Hunter-Lab	<a href="#">43.3533, 28.7587, -57.0649</a>

# Details

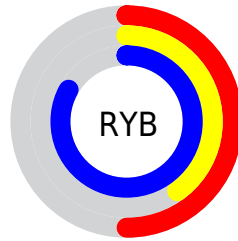
The Hex color **8066D3** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **B9D366**, and the grayscale version is **7A7A7A**.

A 20% lighter version of the original color is **B99AFF**, and **48369C** is the 20% darker color. If you saturate the color by 10%, you get **7051D3**, and if you desaturate by 10%, it is **907BD3**.

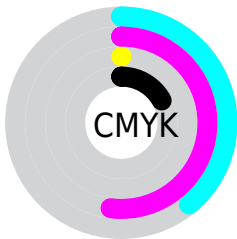
# Distribution



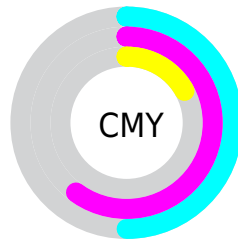
- Red (50%)
- Green (40%)
- Blue (83%)



- Red (50%)
- Yellow (40%)
- Blue (83%)



- Cyan (39%)
- Magenta (52%)
- Yellow (0%)
- Black (17%)



- Cyan (50%)
- Magenta (60%)
- Yellow (17%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 8066D3 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 8066D3 by changing the saturation by 10% instead.



 8066D3

 8066D3

FFFFFF

 644EB7

 B99AFF

 48369C

 D5B5FF

 2B2081

 F3D0FF

 000A67

 FFEDFF

 00004F

 000537

 000220

 000005

 000000

8066D3

8066D3

7051D3

907BD3

603CD3

A090D3

5027D3

B0A5D3

4012D3

C0BAD3

3200D3

D0D0D3

E0E5D3

F0FAD3

FFFFD3

# Harmonies

## Analogous

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



007CE5



8066D3



BE4BA9

# Triad

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



8066D3



B56306



00907E

# Complementary

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



8066D3



B9D366

# 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.



008D45



8066D3



8A7800

# Square

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



8066D3



D1493E



528607



0090B4

# Rectangle

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



8066D3



D23D85



528607



00906B



# Sweetspot

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



8066D3



E2D9FF



66BAD3



6E6980



000000



808080



# Same Dimension

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



8066D3



8761FF



B666D3



615E69



2800A8



0A0029



# Inverse Universe

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



D366B9



FF61D9



83D366



695E66



A80080

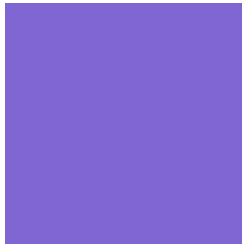


29001F



# Previews

## White Background



This preview shows how the Hex color 8066D3 looks on a white background.

## Color Contrast Check

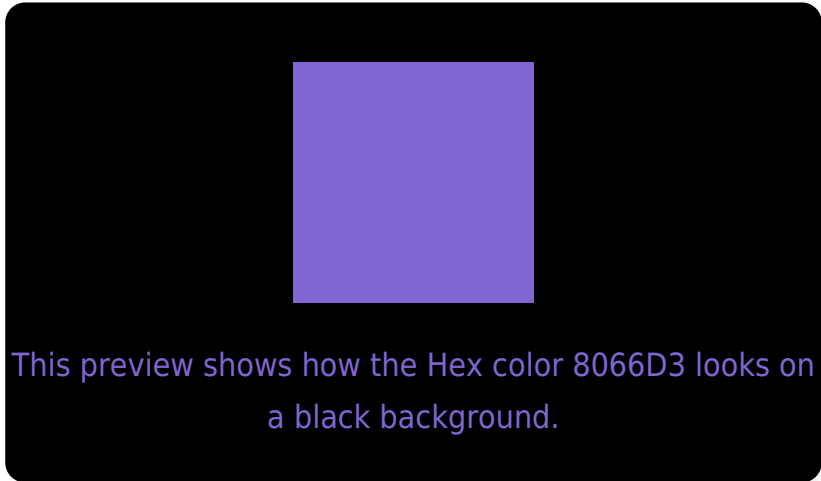
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

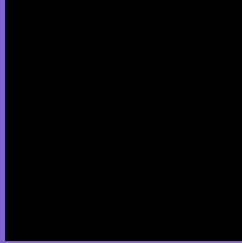
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 8066D3 Background



This preview shows how black text looks on a background with the Hex color 8066D3.

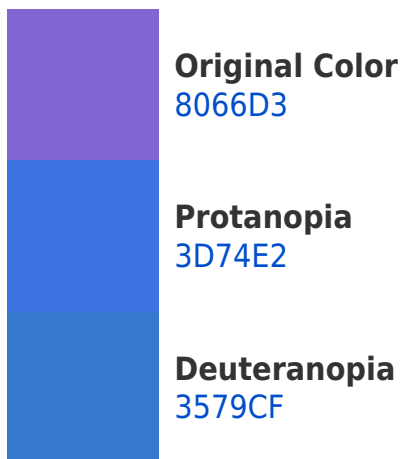


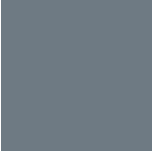
This preview shows how white text looks on a background with the Hex color 8066D3.

# 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**  
6E7A83

# Trichromacy



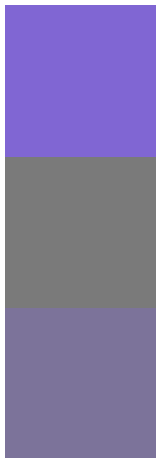
**Original Color**  
8066D3

**Protanomaly**  
556FDD

**Deuteranomaly**  
5072D0

**Tritanomaly**  
7573A0

# Monochromacy



**Original Color**  
8066D3

**Achromatopsia**  
7A7A7A

**Achromatomaly**  
7C739A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 8066D3 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 #8066D3 looks like.

```
.text, #text, p{  
    color:#8066D3  
}
```

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 #8066D3 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #8066D3
}
```

## Border

The CSS property to change the border of an element to Hex 8066D3 is called "border". The border property can be set on classes, ids or directly on the HTML element.

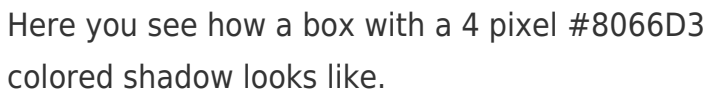
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#8066D3 }
```

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

```
.border{ border-color:#8066D3 }
```

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



Here you see how a box with a 4 pixel #8066D3 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #8066D3; -webkit-box-shadow:4px 4px  
4px 4px #8066D3; box-shadow:4px 4px 4px  
4px #8066D3 }
```

# Background

The CSS property to change the background color of an element to Hex 8066D3 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#8066D3 }
```

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

```
.background{ background-color:#8066D3 }
```

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