

# Converting Colors

Hex(8156D6)

Have a look what the booklet for  
Hex(8156D6) contains.

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# Color

**Hex(8156D6)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8156D6
RGB	129, 86, 214
RGB Percent	51%, 34%, 84%
CMY	0.4941, 0.6627, 0.1608
CMYK	0.40, 0.60, 0.00, 0.16
HSL	260°, 61%, 59%
HSV	260°, 60%, 84%
XYZ	24.5186, 16.1777, 65.4487
YIQ	113.4490, -15.4600, 48.9240

# Conversions

## Conversions Part 2

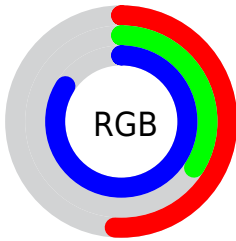
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	129, 86, 214
Decimal	8476374
CIE Lab	47.21, 45.85, -59.81
CIE LCh	47, 75.361, 307.471
Yxy	16.1777, 0.2310, 0.1524
Android (android.graphics.Color)	4286666454 (0xFF8156D6)
YUV	113.4490, 49.5716, 13.6382
Hunter-Lab	40.2216, 38.4240, -68.3218

# Details

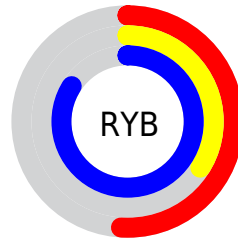
The Hex color **8156D6** is a dark color, and the websafe version is hex **9966FF**. The color can be described as middle muted purple. A complement of this color would be **ABD656**, and the grayscale version is **717171**.

A 20% lighter version of the original color is **BA89FF**, and **48259E** is the 20% darker color. If you saturate the color by 10%, you get **7341D6**, and if you desaturate by 10%, it is **8F6BD6**.

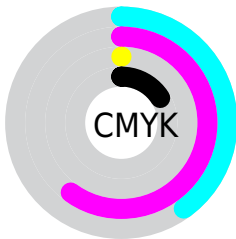
# Distribution



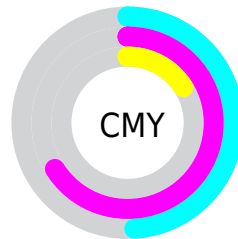
- Red (51%)
- Green (34%)
- Blue (84%)



- Red (51%)
- Yellow (34%)
- Blue (84%)



- Cyan (40%)
- Magenta (60%)
- Yellow (0%)
- Black (16%)




- Cyan (49%)
- Magenta (66%)
- Yellow (16%)


# Brightness & Saturation Gradients

These gradients show how the Hex color 8156D6 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 8156D6 by changing the saturation by 10% instead.



 8156D6

 8156D6

FFFFFF

 653DBA

 BA89FF

 48259E

 D8A4FF

 280B84

 F5C0FF

 00006A

 FFDCFF

 000051

 FFF9FF

 000538

 000222

 000008

 000000

8156D6

8156D6

7341D6

8F6BD6

652BD6

9D81D6

5616D6

AC96D6

4800D6

BAACD6

C8C1D6

D6D6D6

E4ECD6

F3FFD6

FFFFD6

# Harmonies

## Analogous

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



0073F0



8156D6



C52AA2

# Triad

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



8156D6



AE5A00



008A7F

# Complementary

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



8156D6



ABD656

# 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.



00883C



8156D6



7A7300

# Square

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



8156D6



D13425



308100



008ABC

# Rectangle

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



8156D6



D90678



308100



008A69



# Sweetspot

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



8156D6



E1D1FF



56ABD6



6D6380



000000



808080



# Same Dimension

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



8156D6



8547FF



C156D6



64606B



3900AB



0F002B



# Inverse Universe

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



D656AB



FF47C1



6BD656



6B6068



AB0071

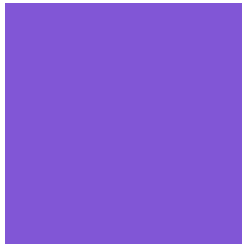


2B001D



# Previews

## White Background



This preview shows how the Hex color 8156D6 looks on a white background.

## Color Contrast Check

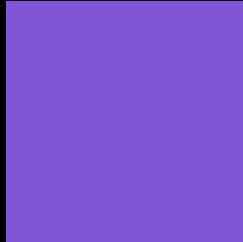
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the Hex color 8156D6 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

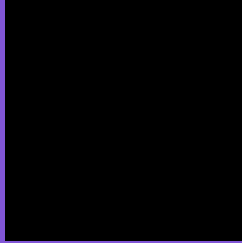
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 8156D6 Background



This preview shows how black text looks on a background with the Hex color 8156D6.

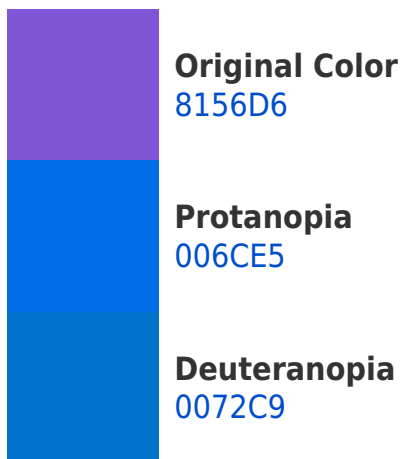


This preview shows how white text looks on a background with the Hex color 8156D6.

# 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](#).

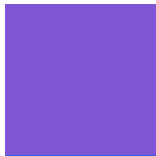
## Dichromacy



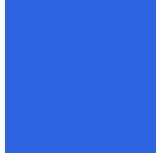


**Tritanopia**  
6C7079

# Trichromacy



**Original Color**  
8156D6



**Protanomaly**  
2F64E0



**Deuteranomaly**  
2F68CE



**Tritanomaly**  
74679B

# Monochromacy



**Original Color**  
8156D6



**Achromatopsia**  
717171



**Achromatomaly**  
776796

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 8156D6 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 #8156D6 looks like.

```
.text, #text, p{  
    color:#8156D6  
}
```

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 #8156D6 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #8156D6
}
```

## Border

The CSS property to change the border of an element to Hex 8156D6 is called "border". The border property can be set on classes, ids or directly on the HTML element.

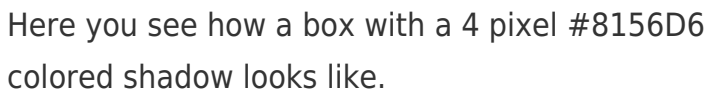
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#8156D6 }
```

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

```
.border{ border-color:#8156D6 }
```

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



Here you see how a box with a 4 pixel #8156D6 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #8156D6; -webkit-box-shadow:4px 4px  
4px 4px #8156D6; box-shadow:4px 4px 4px  
4px #8156D6 }
```

# Background

The CSS property to change the background color of an element to Hex 8156D6 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#8156D6 }
```

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

```
.background{ background-color:#8156D6 }
```

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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