

# Converting Colors

Hex(8166CA)

Have a look what the booklet for  
Hex(8166CA) contains.

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**Color**

**Hex(8166CA)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8166CA
RGB	129, 102, 202
RGB Percent	51%, 40%, 79%
CMY	0.4941, 0.6000, 0.2078
CMYK	0.36, 0.50, 0.00, 0.21
HSL	256°, 49%, 60%
HSV	256°, 50%, 79%
XYZ	24.4653, 18.4341, 58.1458
YIQ	121.4730, -16.0080, 36.8240

# Conversions

## Conversions Part 2

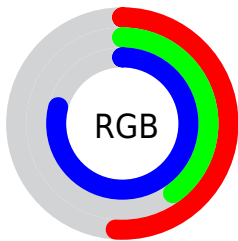
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	129, 102, 202
Decimal	8480458
CIE <sub>Lab</sub>	50.02, 33.50, -48.44
CIE <sub>LCh</sub>	50, 58.891, 304.666
Yxy	18.4341, 0.2421, 0.1824
Android (android.graphics.Color)	4286670538 (0xFF8166CA)
YUV	121.4730, 39.6998, 6.6012
Hunter-Lab	42.9350, 26.5770, -50.2405

# Details

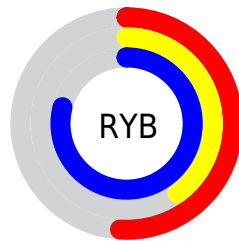
The Hex color **8166CA** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **AFCA66**, and the grayscale version is **797979**.

A 20% lighter version of the original color is **B99AFF**, and **4B3693** is the 20% darker color. If you saturate the color by 10%, you get **7252CA**, and if you desaturate by 10%, it is **907ACA**.

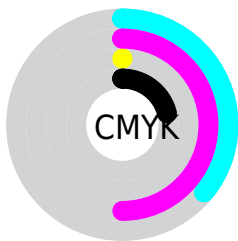
# Distribution



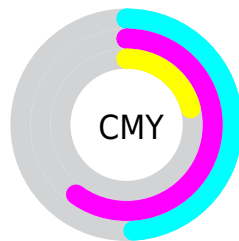
- Red (51%)
- Green (40%)
- Blue (79%)



- Red (51%)
- Yellow (40%)
- Blue (79%)



- Cyan (36%)
- Magenta (50%)
- Yellow (0%)
- Black (21%)



- Cyan (49%)
- Magenta (60%)
- Yellow (21%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 8166CA 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 8166CA by changing the saturation by 10% instead.



■ 8166CA

■ 8166CA

FFFFFF

■ 664EAE

■ B99AFF

■ 4B3693

■ D6B5FF

■ 2F2079

■ F3D0FF

■ 0C0A60

■ FFEDFF

■ 000047

■ 000430

■ 00011A

■ 000000

■ 8166CA

■ 8166CA

7252CA

907ACA

643ECA

9E8ECA

5529CA

ADA3CA

4615CA

BCB7CA

3701CA

CBCBCA

3700CA

D9DFCA

E8F3CA

F7FFCA

FFFFCA

# Harmonies

## Analogous

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



007ADB



8166CA



B94EA3

# Triad

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



8166CA



B06414



008E7E

# Complementary

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



8166CA



AFCA66

# 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.



008B4A



8166CA



887700

# Square

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



8166CA



CA4E41



548418



008DAF

# Rectangle

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



8166CA



CB4482



548418



008D6C



# Sweetspot

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



8166CA



E3D9FF



66AFCA



6F6980



000000



808080



# Same Dimension

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



8166CA



9169FF



B366CA



5F5C66



2D00A6



0A0026



# Inverse Universe

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



CA66AF



FF69D6



7DCA66



665C63



A60079

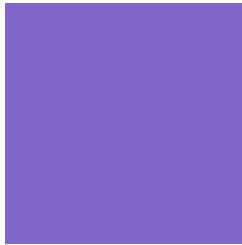


26001C



# Previews

## White Background



This preview shows how the Hex color 8166CA looks on a white background.

## Color Contrast Check

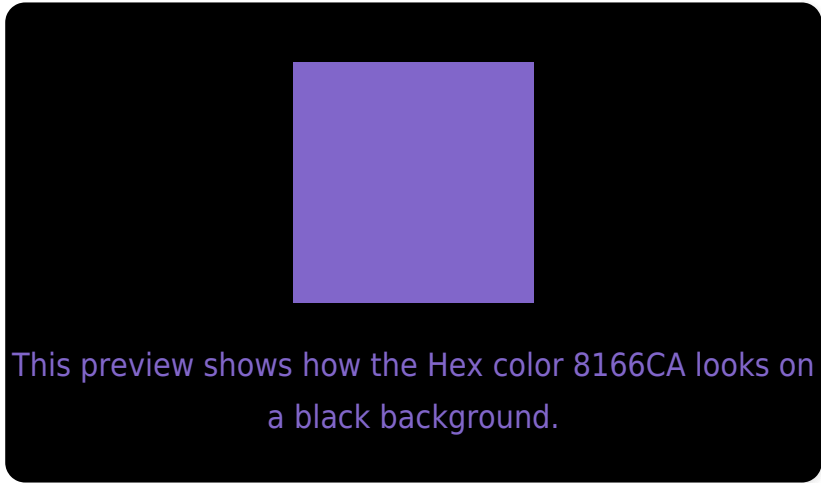
Large Text (above 18pt) WCAG AA ✓ Pass

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

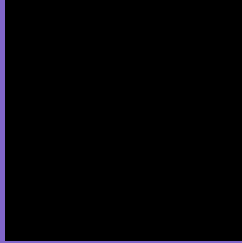
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 8166CA Background



This preview shows how black text looks on a background with the Hex color 8166CA.

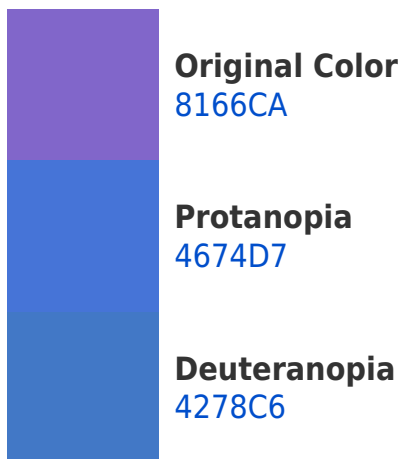


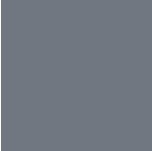
This preview shows how white text looks on a background with the Hex color 8166CA.

# 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**  
717781

# Trichromacy



**Original Color**  
8166CA

**Protanomaly**  
5B6FD2

**Deuteranomaly**  
5971C7

**Tritanomaly**  
77719C

# Monochromacy



**Original Color**  
8166CA

**Achromatopsia**  
797979

**Achromatomaly**  
7C7296

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 8166CA 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 #8166CA looks like.

```
.text, #text, p{  
    color:#8166CA  
}
```

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 #8166CA colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #8166CA
}
```

## Border

The CSS property to change the border of an element to Hex 8166CA 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".

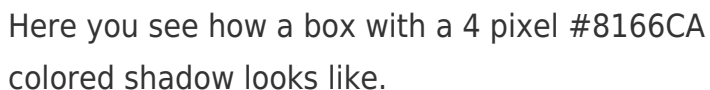
```
.border, #border, table{ border:4px solid
#8166CA }
```

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

```
.border{ border-color:#8166CA }
```

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

Here you see how a box with a 4 pixel #8166CA colored shadow looks like.

A rectangular box with a purple border and a purple shadow. The box is white with a thin purple border on the top and bottom, and a thicker purple shadow on the right and bottom sides.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #8166CA; -webkit-box-shadow:4px 4px  
4px 4px #8166CA; box-shadow:4px 4px 4px  
4px #8166CA }
```

# Background

The CSS property to change the background color of an element to Hex 8166CA is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#8166CA }
```

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

```
.background{ background-color:#8166CA }
```

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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