

# Converting Colors

Hex(8166EE)

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

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# Color

Hex(8166EE)

# Conversions

## Conversions Part 1

Format	Color
Hex	8166EE
RGB	129, 102, 238
RGB Percent	51%, 40%, 93%
CMY	0.4941, 0.6000, 0.0667
CMYK	0.46, 0.57, 0.00, 0.07
HSL	252°, 80%, 67%
HSV	252°, 57%, 93%
XYZ	29.2372, 20.3429, 83.2745
YIQ	125.5770, -27.5640, 48.0200

# Conversions

## Conversions Part 2

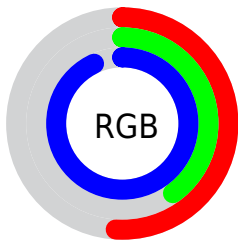
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	129, 102, 238
Decimal	8480494
CIE Lab	52.22, 43.46, -65.27
CIE LCh	52, 78.419, 303.655
Yxy	20.3429, 0.2201, 0.1531
Android (android.graphics.Color)	4286670574 (0xFF8166EE)
YUV	125.5770, 55.4245, 3.0020
Hunter-Lab	45.1031, 36.7788, -77.8958

# Details

The Hex color **8166EE** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **D3EE66**, and the grayscale version is **7D7D7D**.

A 20% lighter version of the original color is **BC9AFF**, and **4536B5** is the 20% darker color. If you saturate the color by 10%, you get **6E4EEE**, and if you desaturate by 10%, it is **947EEE**.

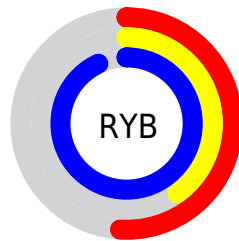
# Distribution



Red (51%)

Green (40%)

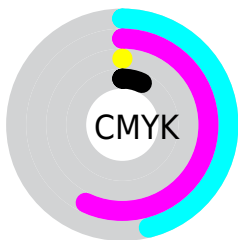
Blue (93%)



Red (51%)

Yellow (40%)

Blue (93%)

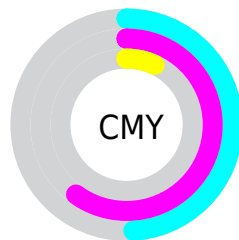


Cyan (46%)

Magenta (57%)

Yellow (0%)

Black (7%)



Cyan (49%)

Magenta (60%)


Yellow (7%)


# Brightness & Saturation Gradients

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



 8166EE

 8166EE

FFFFFF

 634DD1

 BC9AFF

 4536B5

 D9B5FF

 201F9A

 F8D1FF

 00077F

 FFEDFF


 000065


 00024C

 000434

 00021E

 000000

 8166EE

 8166EE

 6E4EEE

 947EEE

 5B36EE

 A796EE

 481FEE

 BAADEE

 3507EE

 CDC5EE

 2F00EE

 E0DDEE

 F3F5EE

 FFFFEE

# Harmonies

## Analogous

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



0083FF



8166EE



D13CBA

# Triad

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



8166EE



C56100



009983

# Complementary

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



8166EE



D3EE66

# 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.



00953C



8166EE



907D00

# Square

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



8166EE



E73A36



488D00



0099C6

# Rectangle

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



8166EE



EA1F8E



488D00



00986C



# Sweetspot

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



8166EE



DCD4FF



66D5EE



6B6680



000000



808080



# Same Dimension

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



8166EE



724FFF



C366EE



6E6C78



2400B8



0B0038



# Inverse Universe

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



EE66D3



FF4FDC



91EE66



786C75



B80093

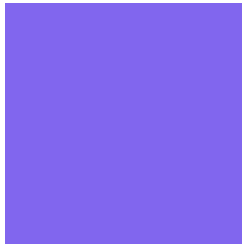


38002D



# Previews

## White Background



This preview shows how the Hex color 8166EE 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

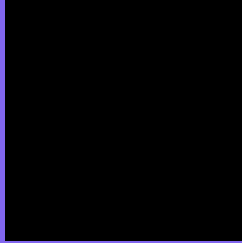
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 8166EE Background



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

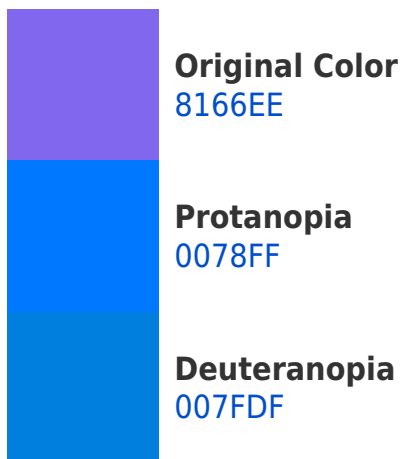


This preview shows how white text looks on a background with the Hex color 8166EE.

# 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**  
67808B

# Trichromacy



**Original Color**  
8166EE



**Protanomaly**  
2F71F9



**Deuteranomaly**  
2F76E4



**Tritanomaly**  
7077AF

# Monochromacy



**Original Color**  
8166EE



**Achromatopsia**  
7E7E7E



**Achromatomaly**  
7F75A7

# CSS Examples

## Text

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

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

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 #8166EE colored shadow looks like.

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

## Border

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

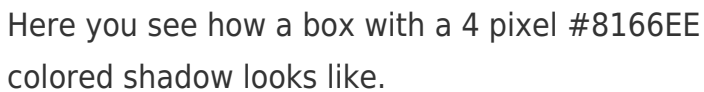
```
.border, #border, table{ border:4px solid
#8166EE }
```

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

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

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

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

A rectangular box with a blue border and a blue shadow. The box is white with a blue border and a blue shadow. The shadow is a 4px offset to the right and bottom of the box.

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

# Background

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

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

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

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

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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