

# Converting Colors

Hex(8E65EB)

Have a look what the booklet for  
Hex(8E65EB) contains.

<b>Hex(8E65EB)</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(8E65EB)

# Conversions

## Conversions Part 1

Format	Color
Hex	8E65EB
RGB	142, 101, 235
RGB Percent	56%, 40%, 92%
CMY	0.4431, 0.6039, 0.0784
CMYK	0.40, 0.57, 0.00, 0.08
HSL	258°, 77%, 66%
HSV	258°, 57%, 92%
XYZ	30.8044, 21.0563, 81.0380
YIQ	128.5350, -18.5780, 50.3660

# Conversions

## Conversions Part 2

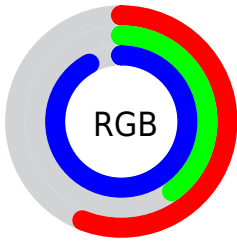
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	142, 101, 235
Decimal	9332203
CIE Lab	53.01, 45.99, -62.26
CIE LCh	53, 77.405, 306.449
Yxy	21.0563, 0.2318, 0.1584
Android (android.graphics.Color)	4287522283 (0xFF8E65EB)
YUV	128.5350, 52.4872, 11.8088
Hunter-Lab	45.8871, 39.5260, -72.5868

# Details

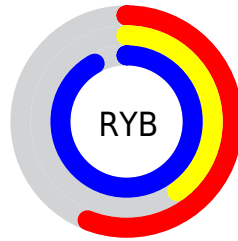
The Hex color **8E65EB** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **C2EB65**, and the grayscale version is **808080**.

A 20% lighter version of the original color is **C899FF**, and **5434B2** is the 20% darker color. If you saturate the color by 10%, you get **7E4EEB**, and if you desaturate by 10%, it is **9E7DEB**.

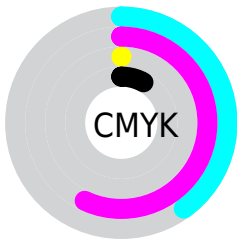
# Distribution



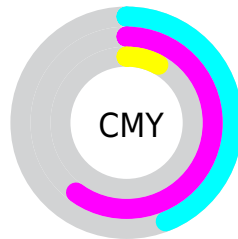
- Red (56%)
- Green (40%)
- Blue (92%)



- Red (56%)
- Yellow (40%)
- Blue (92%)



- Cyan (40%)
- Magenta (57%)
- Yellow (0%)
- Black (8%)



- Cyan (44%)
- Magenta (60%)
- Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 8E65EB 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 8E65EB by changing the saturation by 10% instead.



 8E65EB

 8E65EB

FFFFFF

 714CCE

 C899FF

 5434B2

 E6B5FF

 351B97

 FFD0FF

 0A027C

 FFEDFF

 000063

 00004A

 000432

 00021C

 000000

 8E65EB

 8E65EB

 7E4EEB

 9E7DEB

 6D36EB

 AF94EB

 5D1FEB

 BFAC EB

 4D07EB

 CFC3EB

 4800EB

 E0DBEB

 F0F2EB

 FFFFEB

# Harmonies

## Analogous

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



0083FF



8E65EB



D73CB5

# Triad

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



8E65EB



C26700



009B8C

# Complementary

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



8E65EB



C2EB65

# 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.



009845



8E65EB



8D8100

# Square

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



8E65EB



E74233



439000



009ACD

# Rectangle

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



8E65EB



ED248A



439000



009A74



# Sweetspot

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



8E65EB



E1D4FF



65C3EB



6E6680



000000



808080



# Same Dimension

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



8E65EB



8752FF



D065EB



6D6A75



3700B5



100036



# Inverse Universe

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



EB65C2



FF52CA



80EB65



756A72



B5007E

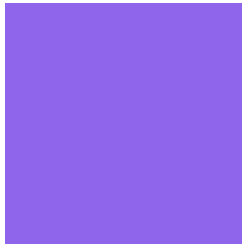


360025



# Previews

## White Background



This preview shows how the Hex color 8E65EB looks on a white background.

## Color Contrast Check

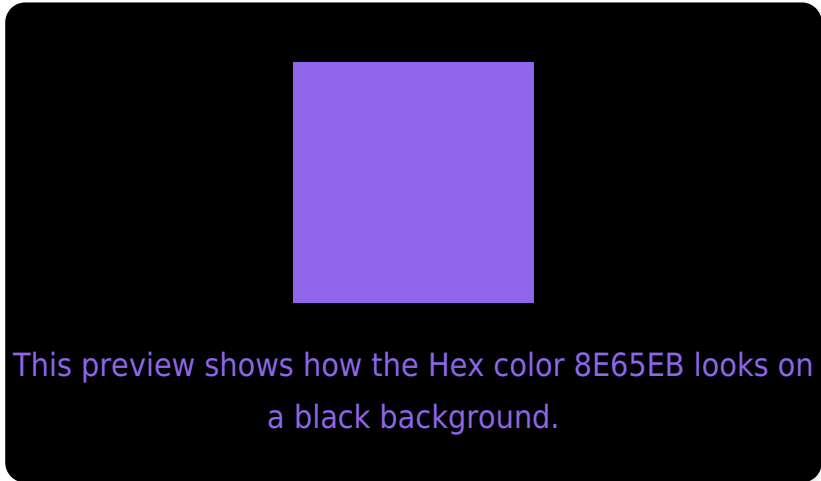
Large Text (above 18pt) WCAG AA ✓ Pass

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

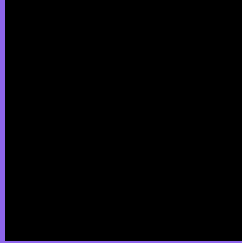
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 8E65EB Background



This preview shows how black text looks on a background with the Hex color 8E65EB.

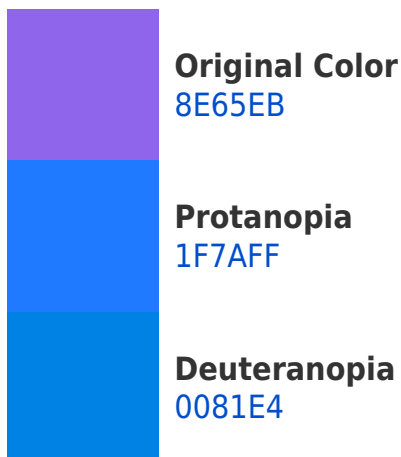


This preview shows how white text looks on a background with the Hex color 8E65EB.

# 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**  
787F89

# Trichromacy



**Original Color**  
8E65EB



**Protanomaly**  
4772F8



**Deuteranomaly**  
3477E7



**Tritanomaly**  
8076AD

# Monochromacy



**Original Color**  
8E65EB



**Achromatopsia**  
818181



**Achromatomaly**  
8677A8

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 8E65EB 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 #8E65EB looks like.

```
.text, #text, p{  
    color:#8E65EB  
}
```

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 #8E65EB colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #8E65EB
}
```

## Border

The CSS property to change the border of an element to Hex 8E65EB is called "border". The border property can be set on classes, ids or directly on the HTML element.

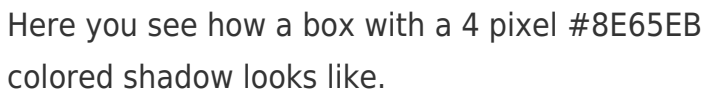
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#8E65EB }
```

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

```
.border{ border-color:#8E65EB }
```

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



Here you see how a box with a 4 pixel #8E65EB colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #8E65EB; -webkit-box-shadow:4px 4px  
4px 4px #8E65EB; box-shadow:4px 4px 4px  
4px #8E65EB }
```

# Background

The CSS property to change the background color of an element to Hex 8E65EB is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#8E65EB }
```

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

```
.background{ background-color:#8E65EB }
```

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