

# Converting Colors

Hex(8747ED)

Have a look what the booklet for  
Hex(8747ED) contains.

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**Color**

**Hex(8747ED)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8747ED
RGB	135, 71, 237
RGB Percent	53%, 28%, 93%
CMY	0.4706, 0.7216, 0.0706
CMYK	0.43, 0.70, 0.00, 0.07
HSL	263°, 82%, 60%
HSV	263°, 70%, 93%
XYZ	27.5310, 15.7718, 81.7140
YIQ	109.0600, -15.1420, 65.1940

# Conversions

## Conversions Part 2

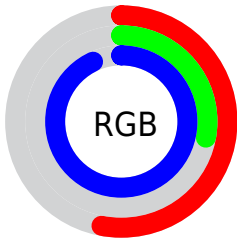
Format	Color
R <sub>Y</sub> B	135, 71, 237
Decimal	8865773
CIE Lab	46.67, 60.68, -73.69
CIE LCh	47, 95.460, 309.469
Yxy	15.7718, 0.2202, 0.1262
Android (android.graphics.Color)	4287055853 (0xFF8747ED)
YUV	109.0600, 63.0744, 22.7494
Hunter-Lab	39.7137, 54.2436, -94.1940

# Details

The Hex color **8747ED** is a dark color, and the websafe version is hex **6633CC**. The color can be described as middle muted purple. A complement of this color would be **ADED47**, and the grayscale version is **6C6C6C**.

A 20% lighter version of the original color is **C37CFF**, and **490CB4** is the 20% darker color. If you saturate the color by 10%, you get **782FED**, and if you desaturate by 10%, it is **965FED**.

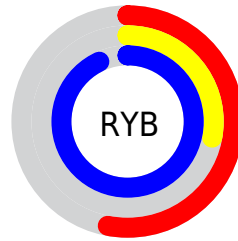
# Distribution



Red (53%)

Green (28%)

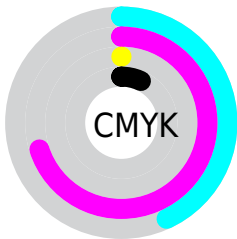
Blue (93%)



Red (53%)

Yellow (28%)

Blue (93%)

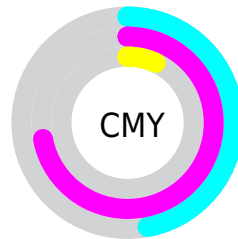


Cyan (43%)

Magenta (70%)

Yellow (0%)

Black (7%)



Cyan (47%)

Magenta (72%)

Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 8747ED 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 8747ED by changing the saturation by 10% instead.



 8747ED

 8747ED

FFFFFF

 692CD0

 C37CFF

 490CB4

 E197FF

 250098

 FF33FF

 00007D

 FFCFFF

 000064

 FFECFF

 00064A

 000433

 00021D

 000000

8747ED

8747ED

782FED

965FED

6A18ED

A476ED

5B00ED

B38EED

C1A6ED

D0BDED

DED5ED

EDEDED

FCFFED

FFFFED

# Harmonies

## Analogous

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



0073FF



8747ED



DB00A9

# Triad

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



8747ED



B25400



008D87

# Complementary

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



8747ED



ADED47

# 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.



008A30



8747ED



707400

# Square

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



8747ED



E10001



008300



008DD5

# Rectangle

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



8747ED



F00074



008300



008C6B



# Sweetspot

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



8747ED



DEC9FF



47ADED



6C6080



000000



808080



# Same Dimension

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



8747ED



7B29FF



DA47ED



6E6A75



4600B5



150036



# Inverse Universe

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



ED47AD



FF29AC



5AED47



756A71



B5006F

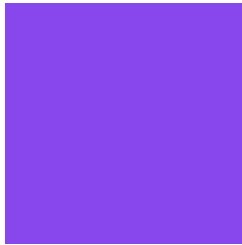


360021



# Previews

## White Background



This preview shows how the Hex color 8747ED 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



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

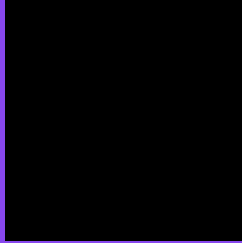
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 8747ED Background



This preview shows how black text looks on a background with the Hex color 8747ED.

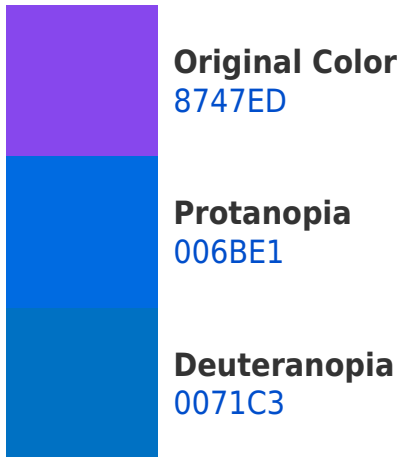


This preview shows how white text looks on a background with the Hex color 8747ED.

# 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](#).

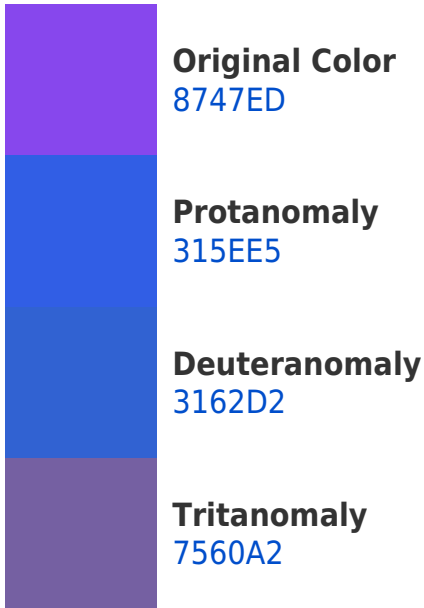
## Dichromacy



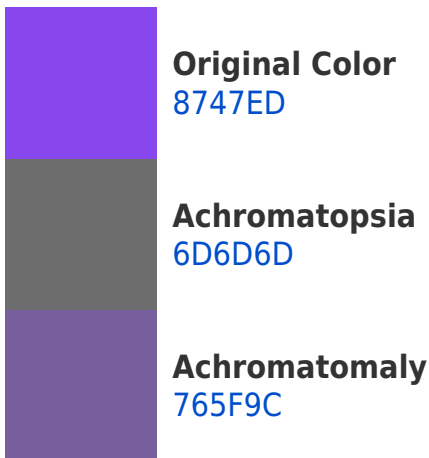


**Tritanopia**  
6B6E77

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 8747ED 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 #8747ED looks like.

```
.text, #text, p{  
    color:#8747ED  
}
```

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 #8747ED colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #8747ED
}
```

## Border

The CSS property to change the border of an element to Hex 8747ED 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
#8747ED }
```

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

```
.border{ border-color:#8747ED }
```

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

Here you see how a box with a 4 pixel #8747ED colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #8747ED; -webkit-box-shadow:4px 4px  
4px 4px #8747ED; box-shadow:4px 4px 4px  
4px #8747ED }
```

# Background

The CSS property to change the background color of an element to Hex 8747ED is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#8747ED }
```

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

```
.background{ background-color:#8747ED }
```

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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