

# Converting Colors

Hex(856ED8)

Have a look what the booklet for  
Hex(856ED8) contains.

<b>Hex(856ED8)</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(856ED8)**

# Conversions

## Conversions Part 1

Format	Color
Hex	856ED8
RGB	133, 110, 216
RGB Percent	52%, 43%, 85%
CMY	0.4784, 0.5686, 0.1529
CMYK	0.38, 0.49, 0.00, 0.15
HSL	253°, 58%, 64%
HSV	253°, 49%, 85%
XYZ	27.6435, 21.0963, 67.5808
YIQ	128.9610, -20.3180, 37.8420

# Conversions

## Conversions Part 2

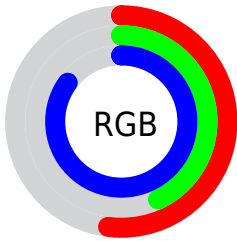
Format	Color
R <sub>Y</sub> B	133, 110, 216
Decimal	8744664
CIE Lab	53.05, 33.62, -51.54
CIE LCh	53, 61.541, 303.119
Yxy	21.0963, 0.2376, 0.1814
Android (android.graphics.Color)	4286934744 (0xFF856ED8)
YUV	128.9610, 42.9102, 3.5422
Hunter-Lab	45.9307, 27.0519, -55.0857

# Details

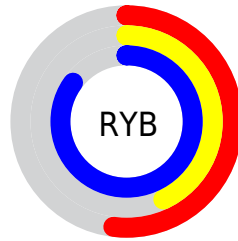
The Hex color **856ED8** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **C1D86E**, and the grayscale version is **818181**.

A 20% lighter version of the original color is **BEA2FF**, and **4E3EA0** is the 20% darker color. If you saturate the color by 10%, you get **7458D8**, and if you desaturate by 10%, it is **9684D8**.

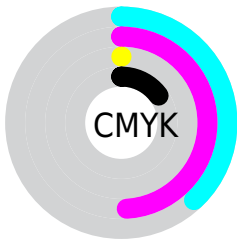
# Distribution



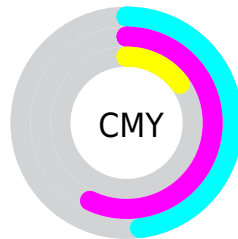
- Red (52%)
- Green (43%)
- Blue (85%)



- Red (52%)
- Yellow (43%)
- Blue (85%)



- Cyan (38%)
- Magenta (49%)
- Yellow (0%)
- Black (15%)



- Cyan (48%)
- Magenta (57%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 856ED8 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 856ED8 by changing the saturation by 10% instead.



856ED8

856ED8

FFFFFF

6955BC

BEA2FF

4E3EA0

DABDFF

312786

F8D9FF

0B126C

FFF6FF

000053

00033B

000224

00000C

000000

 856ED8

 856ED8

 7458D8

 9684D8

 6343D8

 A799D8

 522DD8

 B8AFD8

 4118D8

 C9C4D8

 3002D8

 DADAD8

 2F00D8

 EAF0D8

 FBFFD8

 FFFFD8

# Harmonies

## Analogous

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



0083E9



856ED8



C255B0

# Triad

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



856ED8



BD6A19



009783

# Complementary

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



856ED8



C1D86E

# 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.



00944C



856ED8



937E00

# Square

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



856ED8



D75348



5D8C18



0096B7

# Rectangle

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



856ED8



D7498D



5D8C18



009670



# Sweetspot

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



856ED8



E1D9FF



6EC1D8



6E6980



000000



808080



# Same Dimension

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



856ED8



8969FF



BA6ED8



63606B



2500AB



09002B



# Inverse Universe

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



D86EC1



FF69DE



8CD86E



6B6069



AB0086

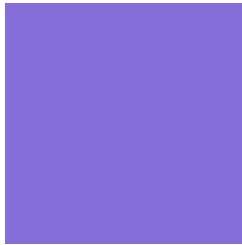


2B0022



# Previews

## White Background



This preview shows how the Hex color 856ED8 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

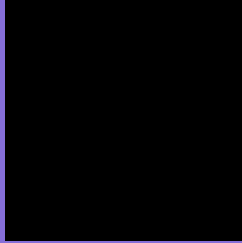
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 856ED8 Background



This preview shows how black text looks on a background with the Hex color 856ED8.

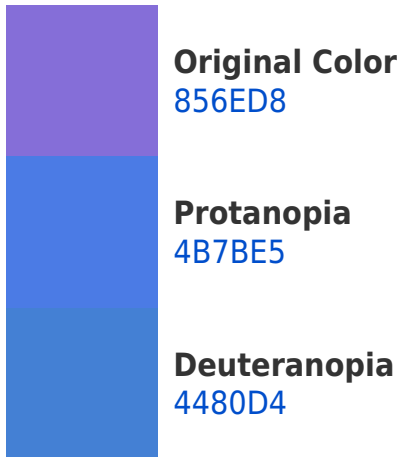


This preview shows how white text looks on a background with the Hex color 856ED8.

# 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](#).

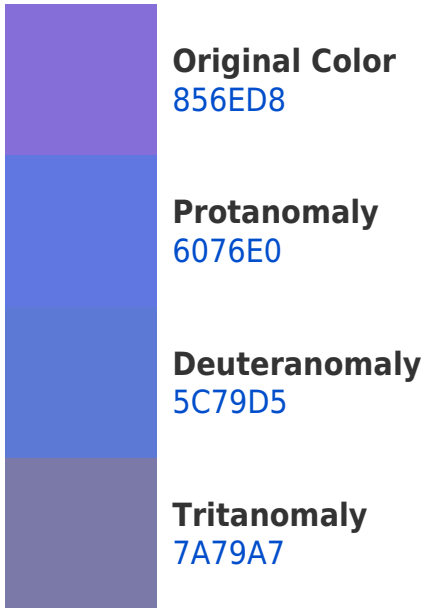
## Dichromacy



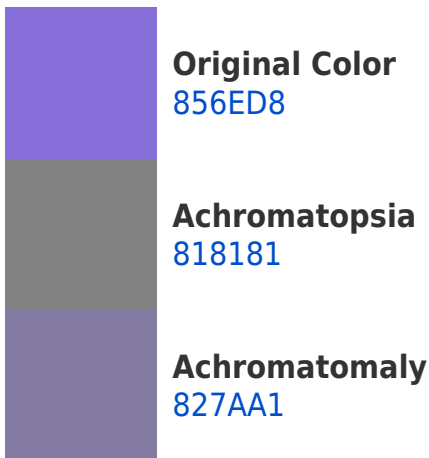


**Tritanopia**  
73808B

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 856ED8 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 #856ED8 looks like.

```
.text, #text, p{  
    color:#856ED8  
}
```

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 #856ED8 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #856ED8
}
```

## Border

The CSS property to change the border of an element to Hex 856ED8 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
#856ED8 }
```

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

```
.border{ border-color:#856ED8 }
```

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

Here you see how a box with a 4 pixel #856ED8 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #856ED8; -webkit-box-shadow:4px 4px  
4px 4px #856ED8; box-shadow:4px 4px 4px  
4px #856ED8 }
```

# Background

The CSS property to change the background color of an element to Hex 856ED8 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#856ED8 }
```

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

```
.background{ background-color:#856ED8 }
```

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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