

# Converting Colors

Hex(851DE0)

Have a look what the booklet for  
Hex(851DE0) contains.

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**Color**

**Hex(851DE0)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	851DE0
RGB	133, 29, 224
RGB Percent	52%, 11%, 88%
CMY	0.4784, 0.8863, 0.1216
CMYK	0.41, 0.87, 0.00, 0.12
HSL	272°, 77%, 50%
HSV	272°, 87%, 88%
XYZ	23.5668, 11.2471, 71.4498
YIQ	82.3260, -0.6110, 82.6930

# Conversions

## Conversions Part 2

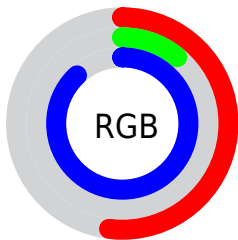
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	133, 29, 224
Decimal	8723936
CIELab	39.99, 72.76, -77.26
CIELCh	40, 106.129, 313.285
Yxy	11.2471, 0.2218, 0.1058
Android (android.graphics.Color)	4286914016 (0xFF851DE0)
YUV	82.3260, 69.8453, 44.4411
Hunter-Lab	33.5367, 66.7457, -102.8415

# Details

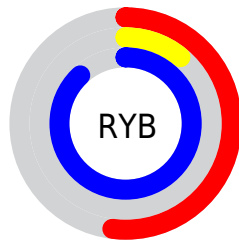
The Hex color **851DE0** is a dark color, and the websafe version is hex **6600CC**. The color can be described as dark washed purple. A complement of this color would be **78E01D**, and the grayscale version is **525252**.

A 20% lighter version of the original color is **C15BFF**, and **4700A7** is the 20% darker color. If you saturate the color by 10%, you get **7B07E0**, and if you desaturate by 10%, it is **8F33E0**.

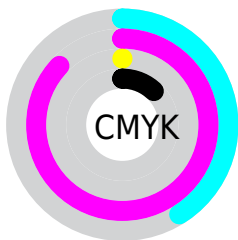
# Distribution



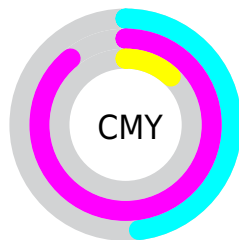
- Red (52%)
- Green (11%)
- Blue (88%)



- Red (52%)
- Yellow (11%)
- Blue (88%)



- Cyan (41%)
- Magenta (87%)
- Yellow (0%)
- Black (12%)



- Cyan (48%)
- Magenta (89%)
- Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 851DE0 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 851DE0 by changing the saturation by 10% instead.



 851DE0

 851DE0

FFFFFF

 6700C3

 C15BFF

 4700A7

 E078FF

 20008C

 FF94FF

 000072

 FFB0FF

 000058

 FFCDFE

 00063F

 FFE0FF

 000328

 000112

 000000

■ 851DE0

■ 851DE0

■ 7B07E0

■ 8F33E0

■ 7700E0

■ 9A4AE0

■ A460E0

■ AF77E0

■ B98DE0

■ C4A3E0

■ CEBAE0

■ D9D0E0

■ E3E7E0

# Harmonies

## Analogous

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



0060FF



851DE0



D70092

# Triad

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



851DE0



9A4700



007C84

# Complementary

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



851DE0



78E01D

# 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.



007926



851DE0



4F6700

# Square

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



851DE0



CF0000



007400



007DD7

# Rectangle

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



851DE0



E8005A



007400



007B66



# Sweetspot

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



851DE0



E0BDFE



1D78E0



6D5880



000000



808080



# Same Dimension

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



851DE0



8800FF



E01DDA



6B6570



5E00B0



1A0030



# Inverse Universe

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



E01D78



FF0077



1DE023



70656A



B00052

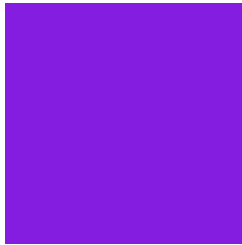


300017



# Previews

## White Background



This preview shows how the Hex color 851DE0 looks on a white background.

## Color Contrast Check

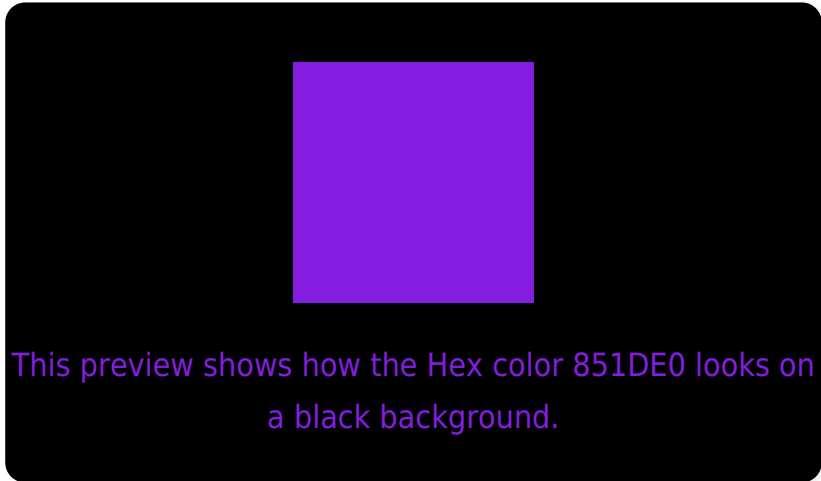
Large Text (above 18pt) WCAG AA ✓ Pass

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

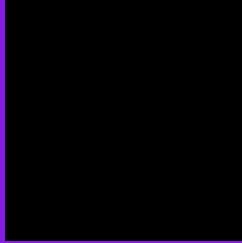
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 851DE0 Background



This preview shows how black text looks on a background with the Hex color 851DE0.

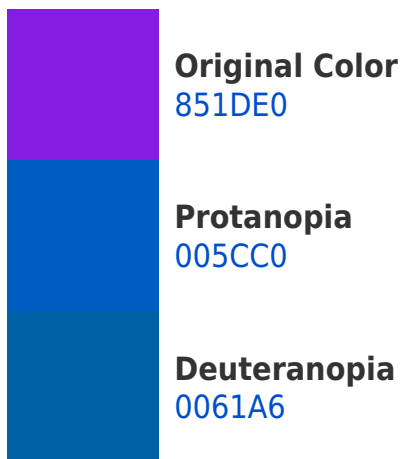



This preview shows how white text looks on a background with the Hex color 851DE0.

# 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](#).

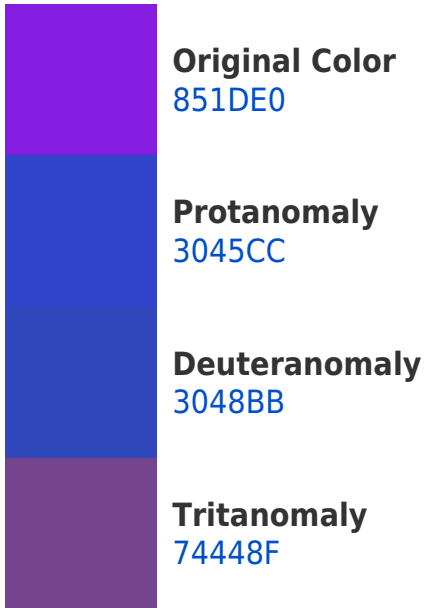
## Dichromacy



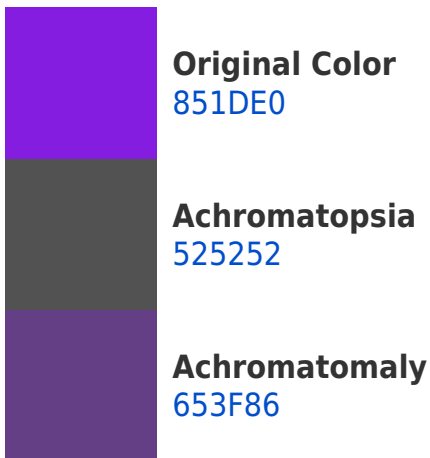


**Tritanopia**  
6A5A61

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 851DE0 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 #851DE0 looks like.

```
.text, #text, p{  
    color:#851DE0  
}
```

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 #851DE0 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #851DE0
}
```

## Border

The CSS property to change the border of an element to Hex 851DE0 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
#851DE0 }
```

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

```
.border{ border-color:#851DE0 }
```

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

Here you see how a box with a 4 pixel #851DE0 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #851DE0; -webkit-box-shadow:4px 4px  
4px 4px #851DE0; box-shadow:4px 4px 4px  
4px #851DE0 }
```

# Background

The CSS property to change the background color of an element to Hex 851DE0 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#851DE0 }
```

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

```
.background{ background-color:#851DE0 }
```

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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