

# Converting Colors

Hex(850046)

Have a look what the booklet for  
Hex(850046) contains.

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**Color**

**Hex(850046)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	850046
RGB	133, 0, 70
RGB Percent	52%, 0%, 27%
CMY	0.4784, 1.0000, 0.7255
CMYK	0.00, 1.00, 0.47, 0.48
HSL	328°, 100%, 26%
HSV	328°, 100%, 52%
XYZ	10.7784, 5.4287, 6.2741
YIQ	47.7470, 56.7980, 49.9660

# Conversions

## Conversions Part 2

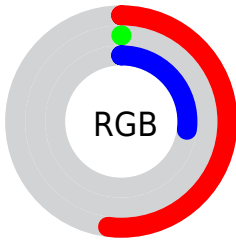
Format	Color
<a href="#">RYB</a>	<a href="#">133, 0, 70</a>
Decimal	<a href="#">8716358</a>
CIELab	<a href="#">27.92, 52.69, -1.52</a>
CIElCh	<a href="#">28, 52.714, 358.348</a>
Yxy	<a href="#">5.4287, 0.4794, 0.2415</a>
Android (android.graphics.Color)	<a href="#">4286906438</a> ( <a href="#">0xFF850046</a> )
YUV	<a href="#">47.7470, 10.9707, 74.7669</a>
Hunter-Lab	<a href="#">23.2997, 41.7992, 0.3442</a>

# Details

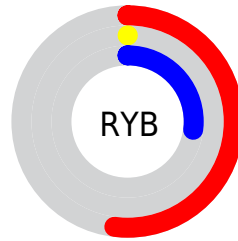
The Hex color **850046** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **00853F**, and the grayscale version is **303030**.

A 20% lighter version of the original color is **BF4676**, and **4D001B** is the 20% darker color. If you saturate the color by 10%, you get **850046**, and if you desaturate by 10%, it is **850D4C**.

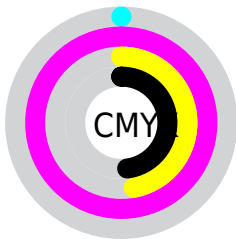
# Distribution



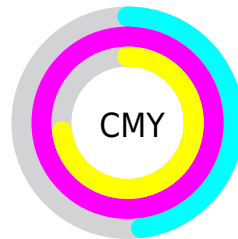
- Red (52%)
- Green (0%)
- Blue (27%)



- Red (52%)
- Yellow (0%)
- Blue (27%)



- Cyan (0%)
- Magenta (100%)
- Yellow (47%)
- Black (48%)



- Cyan (48%)
- Magenta (100%)
- Yellow (73%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 850046 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 850046 by changing the saturation by 10% instead.



 850046

 850046

FFFFFF

 690030

 BF4676

 4D001B

 DC6190

 350002

 FA7DAA

 020000

 FF98C5

 000000

 FFB4E1

 FFD1FE

 FFEEFF

 850046

■ 850D4C

■ 851B53

■ 852859

■ 85355F

■ 854366

■ 85506C

■ 855D72

■ 856A78

■ 85787F

# Harmonies

## Analogous

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



6F1F6D



850046



84121E

# Triad

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



850046



2C4A00



005087

# Complementary

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



850046



00853F

# 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.



005368



850046



005012

# Square

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



850046



544000



00523E



004894

# Rectangle

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



850046



792501



00523E



00527E



# Sweetspot

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



850046



AD7995



3E0085



573748



D6D6D6



575757



# Same Dimension

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



850046



AD005B



850004



423C3F



820044



030001



# Inverse Universe

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



850046



AD005B



008581



423C3F



820044



030001



# Previews

## White Background



This preview shows how the Hex color 850046 looks on a white background.

## Color Contrast Check

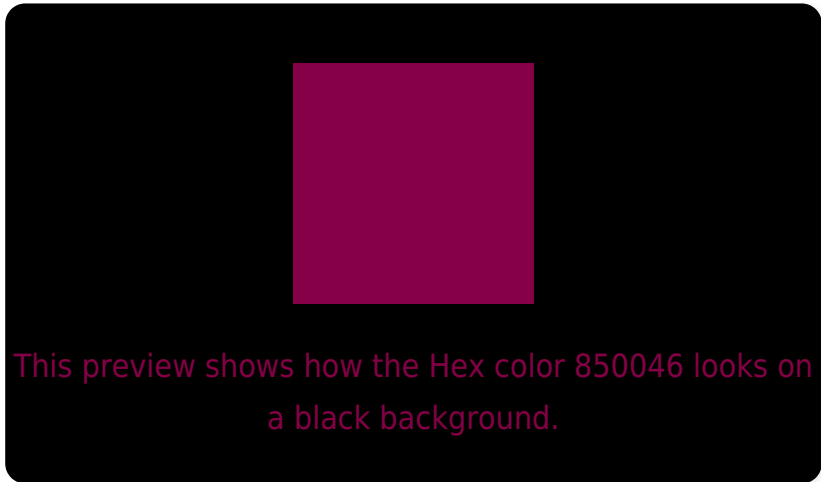
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 850046 Background



This preview shows how black text looks on a background with the Hex color 850046.

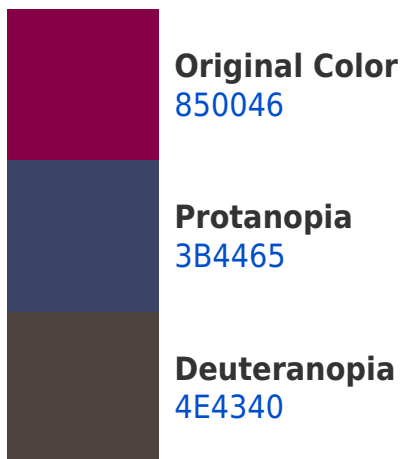


This preview shows how white text looks on a background with the Hex color 850046.

# 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





# Trichromacy



**Original Color**  
850046

**Protanomaly**  
562B5A

**Deuteranomaly**  
622B42

**Tritanomaly**  
84122B

# Monochromacy



**Original Color**  
850046

**Achromatopsia**  
303030

**Achromatomaly**  
4F1F38

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 850046 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 #850046 looks like.

```
.text, #text, p{  
    color:#850046  
}
```

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 #850046 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #850046
}
```

## Border

The CSS property to change the border of an element to Hex 850046 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".

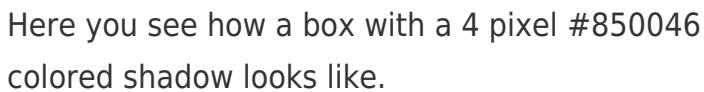
```
.border, #border, table{ border:4px solid
#850046 }
```

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

```
.border{ border-color:#850046 }
```

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

Here you see how a box with a 4 pixel #850046 colored shadow looks like.

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

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #850046; -webkit-box-shadow:4px 4px  
4px 4px #850046; box-shadow:4px 4px 4px  
4px #850046 }
```

# Background

The CSS property to change the background color of an element to Hex 850046 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#850046 }
```

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

```
.background{ background-color:#850046 }
```

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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