

# Converting Colors

Hex(850035)

Have a look what the booklet for  
Hex(850035) contains.

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# Color

**Hex(850035)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	850035
RGB	133, 0, 53
RGB Percent	52%, 0%, 21%
CMY	0.4784, 1.0000, 0.7922
CMYK	0.00, 1.00, 0.60, 0.48
HSL	336°, 100%, 26%
HSV	336°, 100%, 52%
XYZ	10.3155, 5.2436, 3.8366
YIQ	45.8090, 62.2550, 44.6790

# Conversions

## Conversions Part 2

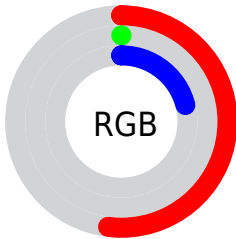
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	133, 0, 53
Decimal	8716341
CIE Lab	27.42, 51.35, 9.29
CIE LCh	27, 52.187, 10.254
Yxy	5.2436, 0.5318, 0.2703
Android (android.graphics.Color)	4286906421 (0xFF850035)
YUV	45.8090, 3.5452, 76.4665
Hunter-Lab	22.8989, 40.3375, 6.0955

# Details

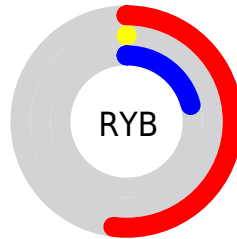
The Hex color **850035** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **008550**, and the grayscale version is **2E2E2E**.

A 20% lighter version of the original color is **C04563**, and **4C0008** is the 20% darker color. If you saturate the color by 10%, you get **850035**, and if you desaturate by 10%, it is **850D3D**.

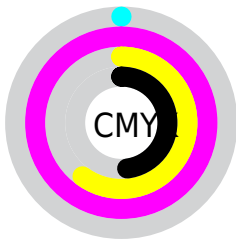
# Distribution



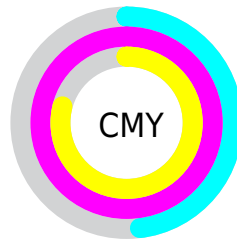
- Red (52%)
- Green (0%)
- Blue (21%)



- Red (52%)
- Yellow (0%)
- Blue (21%)



- Cyan (0%)
- Magenta (100%)
- Yellow (60%)
- Black (48%)



- Cyan (48%)
- Magenta (100%)
- Yellow (79%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 850035 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 850035 by changing the saturation by 10% instead.



 850035

 850035

FFFFFF

 680020

 C04563

 4C0008

 DE607C

 320002

 FC7C96

 000000

 FF97B0

 FFB3CC

 FFD0E8

 FFEDFF

 850035

 850D3D

 851B45

 85284D

 853555

 85435D

 855065

 855D6D

 856A75

 85787D

# Harmonies

## Analogous

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



79115D



850035



7C1D0E

# Triad

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



850035



114C00



004C8D

# Complementary

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



850035



008550

# 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.



005174



850035



005024

# Square

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



850035



444300



00514E



004291

# Rectangle

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



850035



6E2E00



00514E



004F87



# Sweetspot

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



850035



AD798E



500085



573744



D6D6D6



575757



# Same Dimension

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



850035



AD0045



850D00



423C3E



820034



030001



# Inverse Universe

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



850035



AD0045



007885



423C3E



820034

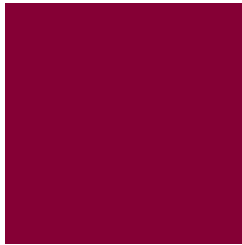


030001



# Previews

## White Background



This preview shows how the Hex color 850035 looks on a white background.

## Color Contrast Check

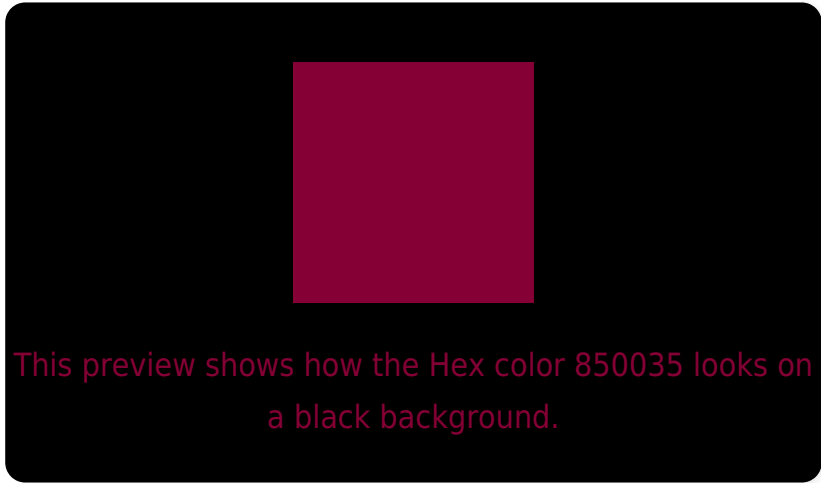
Large Text (above 18pt) WCAG AA ✓ Pass

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

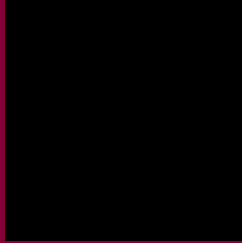
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 850035 Background



This preview shows how black text looks on a background with the Hex color 850035.



This preview shows how white text looks on a background with the Hex color 850035.

# 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



**Original Color**  
850035

**Protanopia**  
43444D

**Deuteranopia**  
52412F



**Tritanopia**  
841514

# Trichromacy



**Original Color**  
850035

**Protanomaly**  
5B2B44

**Deuteranomaly**  
652931

**Tritanomaly**  
840D20

# Monochromacy



**Original Color**  
850035

**Achromatopsia**  
2E2E2E

**Achromatomaly**  
4E1D31

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 850035 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 #850035 looks like.

```
.text, #text, p{  
    color:#850035  
}
```

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 #850035 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #850035
}
```

## Border

The CSS property to change the border of an element to Hex 850035 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
#850035 }
```

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

```
.border{ border-color:#850035 }
```

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

Here you see how a box with a 4 pixel #850035 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #850035; -webkit-box-shadow:4px 4px  
4px 4px #850035; box-shadow:4px 4px 4px  
4px #850035 }
```

# Background

The CSS property to change the background color of an element to Hex 850035 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#850035 }
```

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

```
.background{ background-color:#850035 }
```

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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