

# Converting Colors

Hex(870085)

Have a look what the booklet for  
Hex(870085) contains.

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**Color**

**Hex(870085)**

# Conversions

## Conversions Part 1

Format	Color
Hex	870085
RGB	135, 0, 133
RGB Percent	53%, 0%, 52%
CMY	0.4706, 1.0000, 0.4784
CMYK	0.00, 1.00, 0.01, 0.47
HSL	301°, 100%, 26%
HSV	301°, 100%, 53%
XYZ	14.2253, 6.8444, 22.7616
YIQ	55.5270, 37.7670, 69.9830

# Conversions

## Conversions Part 2

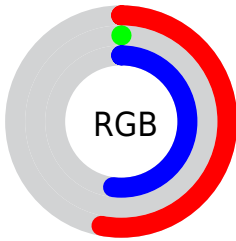
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	135, 0, 133
Decimal	8847493
CIE <sub>Lab</sub>	31.45, 60.94, -36.89
CIE <sub>LCh</sub>	31, 71.237, 328.813
Yxy	6.8444, 0.3245, 0.1562
Android (android.graphics.Color)	4287037573 (0xFF870085)
YUV	55.5270, 38.1942, 69.6978
Hunter-Lab	26.1617, 51.2756, -33.2712

# Details

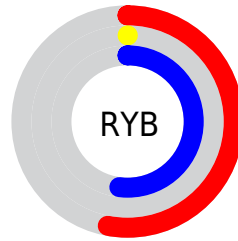
The Hex color **870085** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **008702**, and the grayscale version is **373737**.

A 20% lighter version of the original color is **C04ABB**, and **500053** is the 20% darker color. If you saturate the color by 10%, you get **870085**, and if you desaturate by 10%, it is **870D85**.

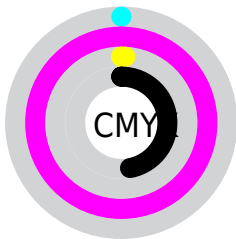
# Distribution



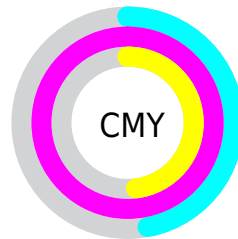
- Red (53%)
- Green (0%)
- Blue (52%)



- Red (53%)
- Yellow (0%)
- Blue (52%)



- Cyan (0%)
- Magenta (100%)
- Yellow (1%)
- Black (47%)



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

# Brightness & Saturation Gradients

These gradients show how the Hex color 870085 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 870085 by changing the saturation by 10% instead.



 870085

 870085

FFFFFF

 6B006B

 C04ABB

 500053

 DD66D7

 38003B

 FB82F3

 1B0024

 FF9EFF

 00000C

 FFBAFF

 000000

 FFD7FF

 FFF4FF

 870085

 870D85

 871B85

 872986

 873686

 874486

 875186

 875E86

 876C87

 877A87

# Harmonies

## Analogous

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



2E3CAE



870085



A4004F

# Triad

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



870085



5D4800



00607F

# Complementary

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



870085



008702

# 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.



005F46



870085



225600

# Square

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



870085



872C00



005C01



005DAB

# Rectangle

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



870085



A5002B



005C01



00606D



# Sweetspot

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



870085



B07BAF



000087



593959



D9D9D9



595959



# Same Dimension

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



870085



B000AD



870044



423C42



820080



030003



# Inverse Universe

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



870085



B000AD



008744



423C42



820080



030003



# Previews

## White Background



This preview shows how the Hex color 870085 looks on a white background.

## Color Contrast Check

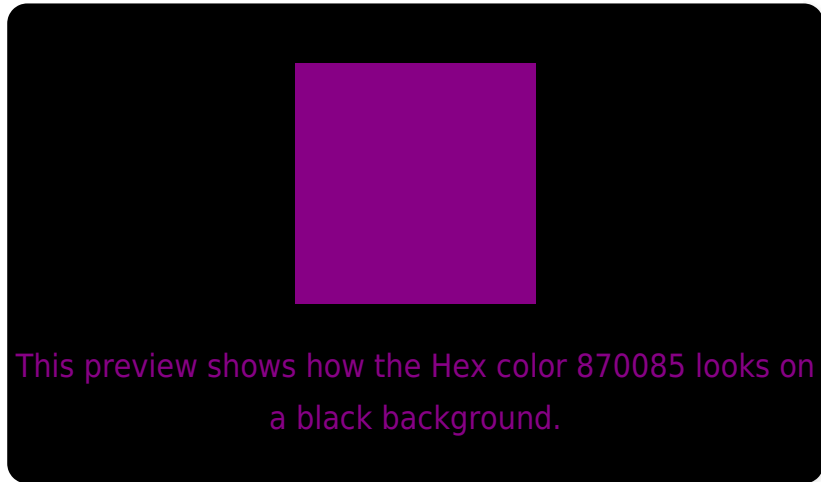
Large Text (above 18pt) WCAG AA ✓ Pass

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

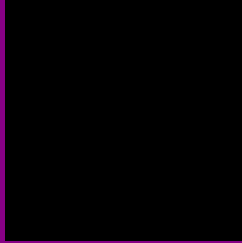
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 870085 Background



This preview shows how black text looks on a background with the Hex color 870085.

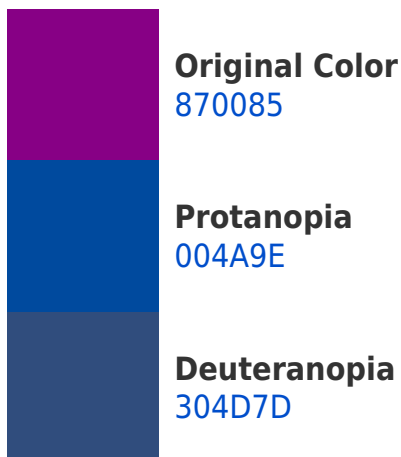



This preview shows how white text looks on a background with the Hex color 870085.

# 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**  
7F3438

# Trichromacy



**Original Color**  
870085



**Protanomaly**  
312F95



**Deuteranomaly**  
503180



**Tritanomaly**  
822154

# Monochromacy



**Original Color**  
870085



**Achromatopsia**  
383838



**Achromatomaly**  
552454

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 870085 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 #870085 looks like.

```
.text, #text, p{  
    color:#870085  
}
```

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 #870085 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #870085
}
```

## Border

The CSS property to change the border of an element to Hex 870085 is called "border". The border property can be set on classes, ids or directly on the HTML element.

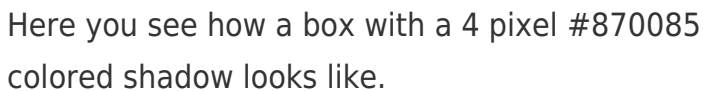
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#870085 }
```

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

```
.border{ border-color:#870085 }
```

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



Here you see how a box with a 4 pixel #870085 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #870085; -webkit-box-shadow:4px 4px  
4px 4px #870085; box-shadow:4px 4px 4px  
4px #870085 }
```

# Background

The CSS property to change the background color of an element to Hex 870085 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#870085 }
```

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

```
.background{ background-color:#870085 }
```

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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