

# Converting Colors

Hex(870247)

Have a look what the booklet for  
Hex(870247) contains.

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**Color**

**Hex(870247)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	870247
RGB	135, 2, 71
RGB Percent	53%, 1%, 28%
CMY	0.4706, 0.9922, 0.7216
CMYK	0.00, 0.99, 0.47, 0.47
HSL	329°, 97%, 27%
HSV	329°, 99%, 53%
XYZ	11.1507, 5.6492, 6.4639
YIQ	49.6330, 57.1190, 49.6550

# Conversions

## Conversions Part 2

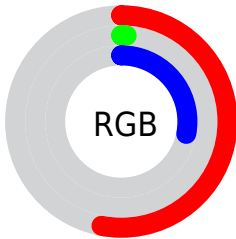
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	135, 2, 71
Decimal	8847943
CIE Lab	28.51, 52.92, -1.28
CIE LCh	29, 52.933, 358.615
Yxy	5.6492, 0.4793, 0.2428
Android (android.graphics.Color)	4287038023 (0xFF870247)
YUV	49.6330, 10.5339, 74.8669
Hunter-Lab	23.7681, 42.1482, 0.5133

# Details

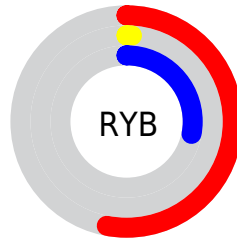
The Hex color **870247** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **028742**, and the grayscale version is **313131**.

A 20% lighter version of the original color is **C14777**, and **4F001C** is the 20% darker color. If you saturate the color by 10%, you get **870046**, and if you desaturate by 10%, it is **870F4D**.

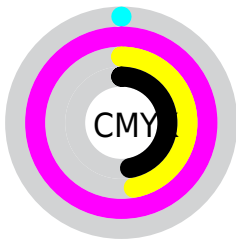
# Distribution



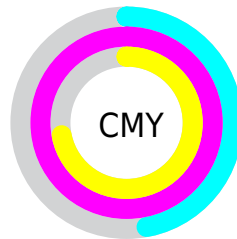
- Red (53%)
- Green (1%)
- Blue (28%)



- Red (53%)
- Yellow (1%)
- Blue (28%)



- Cyan (0%)
- Magenta (99%)
- Yellow (47%)
- Black (47%)



- Cyan (47%)
- Magenta (99%)
- Yellow (72%)
- Black (0%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 870247 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 870247 by changing the saturation by 10% instead.



 870247

 870247

FFFFFF

 6B0031

 C14777

 4F001C

 DF6391

 370002

 FD7EAB

 090000

 FF9AC7

 000000

 FFB6E3

 FFD2FF

 FFEFFF

 870247

 870247

■ 870046

■ 870F4D

■ 871D54

■ 872A5A

■ 873861

■ 874567

■ 87536E

■ 876074

■ 876E7B

■ 877B81

# Harmonies

## Analogous

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



71206E



870247



86141F

# Triad

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



870247



2D4C00



005289

# Complementary

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



870247



028742

# 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.



00546A



870247



005214

# Square

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



870247



554100



005440



004996

# Rectangle

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



870247



7B2701



005440



005380



# Sweetspot

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



870247



B07B97



400287



59394A



D9D9D9



595959



# Same Dimension

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



870247



B0005B



870206



423C3F



820043



030001



# Inverse Universe

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



870247



B0005B



028783



423C3F



820043

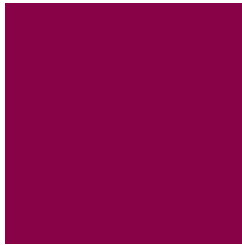


030001



# Previews

## White Background



This preview shows how the Hex color 870247 looks on a white background.

## Color Contrast Check

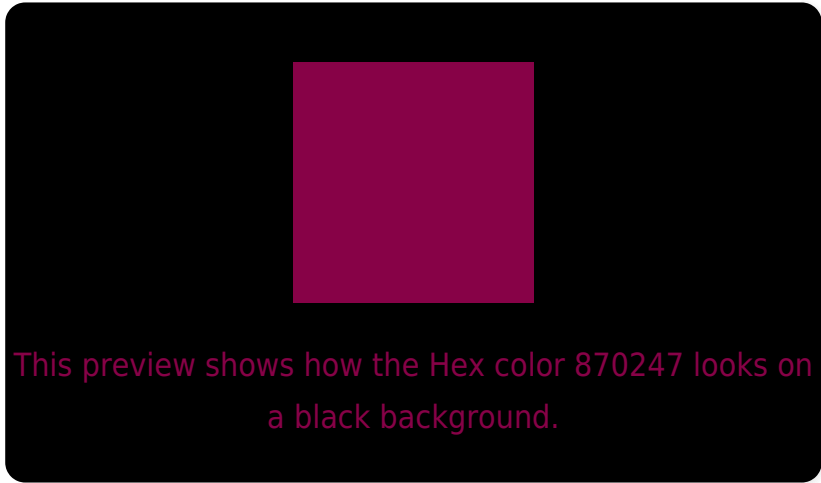
Large Text (above 18pt) WCAG AA ✓ Pass

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 870247 Background



This preview shows how black text looks on a background with the Hex color 870247.

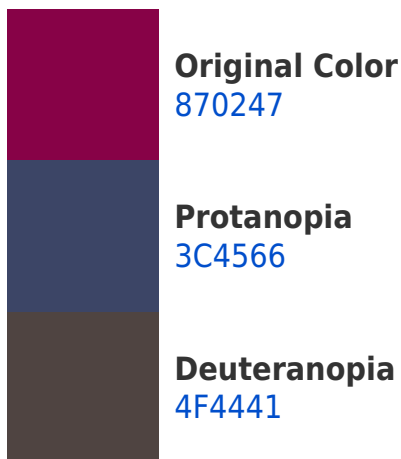


This preview shows how white text looks on a background with the Hex color 870247.

# 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**  
870247

**Protanomaly**  
572D5B

**Deuteranomaly**  
632C43

**Tritanomaly**  
86132C

# Monochromacy



**Original Color**  
870247

**Achromatopsia**  
323232

**Achromatomaly**  
51213A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 870247 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 #870247 looks like.

```
.text, #text, p{  
    color:#870247  
}
```

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 #870247 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #870247
}
```

## Border

The CSS property to change the border of an element to Hex 870247 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
#870247 }
```

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

```
.border{ border-color:#870247 }
```

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

Here you see how a box with a 4 pixel #870247 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #870247; -webkit-box-shadow:4px 4px  
4px 4px #870247; box-shadow:4px 4px 4px  
4px #870247 }
```

# Background

The CSS property to change the background color of an element to Hex 870247 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#870247 }
```

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

```
.background{ background-color:#870247 }
```

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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