

# Converting Colors

Hex(870024)

Have a look what the booklet for  
Hex(870024) contains.

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**Color**

**Hex(870024)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	870024
RGB	135, 0, 36
RGB Percent	53%, 0%, 14%
CMY	0.4706, 1.0000, 0.8588
CMYK	0.00, 1.00, 0.73, 0.47
HSL	344°, 100%, 26%
HSV	344°, 100%, 53%
XYZ	10.3101, 5.2783, 2.1445
YIQ	44.4690, 68.9040, 39.8160

# Conversions

## Conversions Part 2

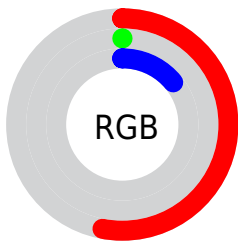
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	135, 0, 36
Decimal	8847396
CIE Lab	27.51, 50.90, 21.01
CIE LCh	28, 55.067, 22.431
Yxy	5.2783, 0.5814, 0.2977
Android (android.graphics.Color)	4287037476 (0xFF870024)
YUV	44.4690, -4.1752, 79.3957
Hunter-Lab	22.9745, 39.8989, 10.5479

# Details

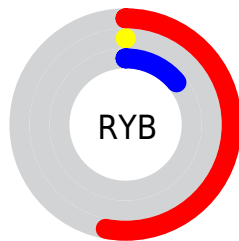
The Hex color **870024** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **008763**, and the grayscale version is **2C2C2C**.

A 20% lighter version of the original color is **C34550**, and **4D0000** is the 20% darker color. If you saturate the color by 10%, you get **870024**, and if you desaturate by 10%, it is **870D2E**.

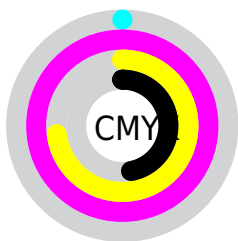
# Distribution



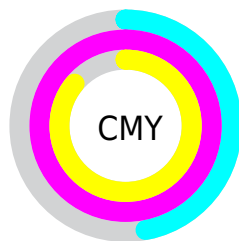
- Red (53%)
- Green (0%)
- Blue (14%)



- Red (53%)
- Yellow (0%)
- Blue (14%)



- Cyan (0%)
- Magenta (100%)
- Yellow (73%)
- Black (47%)



- Cyan (47%)
- Magenta (100%)
- Yellow (86%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 870024 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 870024 by changing the saturation by 10% instead.



 870024

 870024

FFFFFF

 6A0010

 C34550

 4D0000

 E16068

 320002

 FF7B81

 000000

 FF979B

 FFB3B6

 FFCFD2

 FFECEE

 870024

 870D2E

 871B38

 872942

 87364C

 874456

 87515F

 875E69

 876C73

 877A7D

# Harmonies

## Analogous

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



84004E



870024



772600

# Triad

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



870024



004F02



004A96

# Complementary

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



870024



008763

# 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.



005184



870024



005235

# Square

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



870024



334800



005260



143B90

# Rectangle

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



870024



643600



005260



004D93



# Sweetspot

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



870024



B07B89



630087



593942



D9D9D9



595959



# Same Dimension

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



870024



B0002F



872000



423C3D



820023



030001



# Inverse Universe

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



870024



B0002F



006887



423C3D



820023

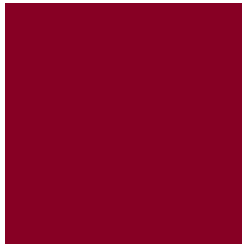


030001



# Previews

## White Background



This preview shows how the Hex color 870024 looks on a white background.

## Color Contrast Check

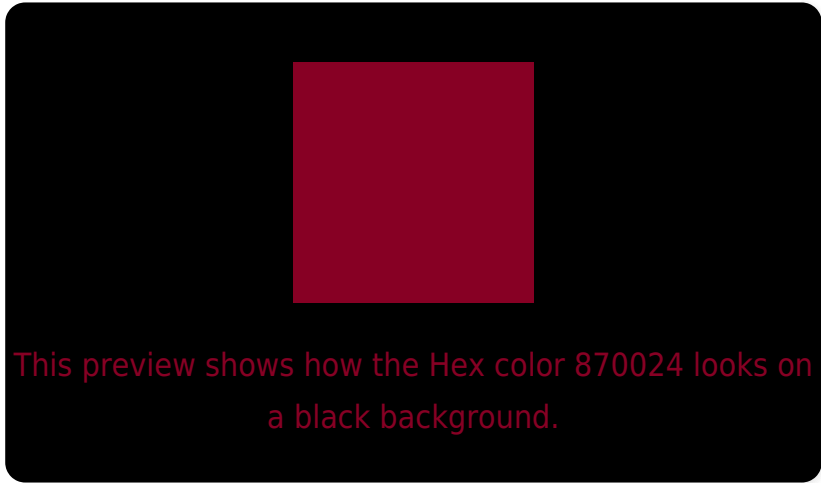
Large Text (above 18pt) WCAG AA ✓ Pass

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 870024 Background



This preview shows how black text looks on a background with the Hex color 870024.



This preview shows how white text looks on a background with the Hex color 870024.

# 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**  
870024

**Protanopia**  
494536

**Deuteranopia**  
55411D



# Trichromacy



**Original Color**  
870024

**Protanomaly**  
602C2F

**Deuteranomaly**  
672920

**Tritanomaly**  
860A13

# Monochromacy



**Original Color**  
870024

**Achromatopsia**  
2C2C2C

**Achromatomaly**  
4D1C29

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 870024 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 #870024 looks like.

```
.text, #text, p{  
    color:#870024  
}
```

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 #870024 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #870024
}
```

## Border

The CSS property to change the border of an element to Hex 870024 is called "border". The border property can be set on classes, ids or directly on the HTML element.

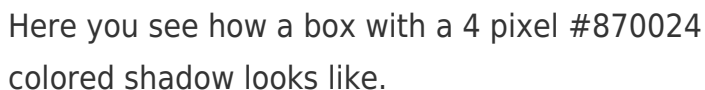
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#870024 }
```

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

```
.border{ border-color:#870024 }
```

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



Here you see how a box with a 4 pixel #870024 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #870024; -webkit-box-shadow:4px 4px  
4px 4px #870024; box-shadow:4px 4px 4px  
4px #870024 }
```

# Background

The CSS property to change the background color of an element to Hex 870024 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#870024 }
```

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

```
.background{ background-color:#870024 }
```

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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