

# Converting Colors

Hex(870B32)

Have a look what the booklet for  
Hex(870B32) contains.

<b>Hex(870B32)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

**Hex(870B32)**

# Conversions

## Conversions Part 1

Format	Color
Hex	870B32
RGB	135, 11, 50
RGB Percent	53%, 4%, 20%
CMY	0.4706, 0.9569, 0.8039
CMYK	0.00, 0.92, 0.63, 0.47
HSL	341°, 85%, 29%
HSV	341°, 92%, 53%
XYZ	10.6871, 5.6205, 3.5392
YIQ	52.5220, 61.3850, 38.4170

# Conversions

## Conversions Part 2

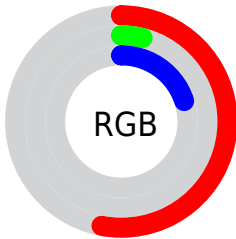
<b>Format</b>	<b>Color</b>
<b>RYB</b>	135, 11, 50
Decimal	8850226
CIELab	28.43, 49.80, 12.78
CIElCh	28, 51.417, 14.395
Yxy	5.6205, 0.5385, 0.2832
Android (android.graphics.Color)	4287040306 (0xFF870B32)
YUV	52.5220, -1.2433, 72.3332
Hunter-Lab	23.7077, 38.9768, 7.7442

# Details

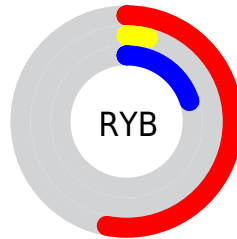
The Hex color **870B32** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **0B8760**, and the grayscale version is **343434**.

A 20% lighter version of the original color is **C24A60**, and **4E0003** is the 20% darker color. If you saturate the color by 10%, you get **87002A**, and if you desaturate by 10%, it is **87193B**.

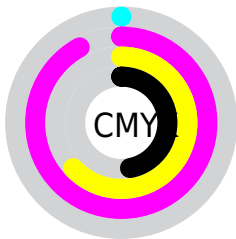
# Distribution



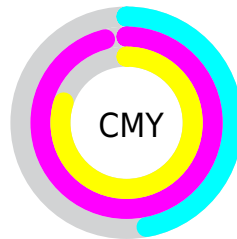
- Red (53%)
- Green (4%)
- Blue (20%)



- Red (53%)
- Yellow (4%)
- Blue (20%)



- Cyan (0%)
- Magenta (92%)
- Yellow (63%)
- Black (47%)



- Cyan (47%)
- Magenta (96%)
- Yellow (80%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 870B32 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 870B32 by changing the saturation by 10% instead.



 870B32

 870B32

FFFFFF

 6A001D

 C24A60

 4E0003

 E06579

 340002

 FE8092

 000000

 FF9BAD

 FFB7C8

 FFD4E4

 FFF1FF

 870B32

 870B32

87002A

87193B

872645

87344E

874157

874F60

875C6A

876A73

87777C

878585

# Harmonies

## Analogous

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



7E1359



870B32



7C250B

# Triad

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



870B32



074F00



004E90

# Complementary

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



870B32



0B8760

# 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.



00537A



870B32



00532C

# Square

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



870B32



424700



005456



004291

# Rectangle

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



870B32



6D3300



005456



00508B



# Sweetspot

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



870B32



B07F8E



600B87



593B44



D9D9D9



595959



# Same Dimension

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



870B32



B00037



87220B



423C3E



820029



030001



# Inverse Universe

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



870B32



B00037



0B7087



423C3E



820029

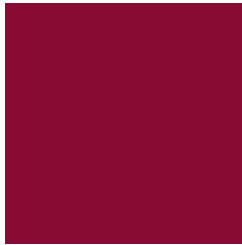


030001



# Previews

## White Background



This preview shows how the Hex color 870B32 looks on a white background.

## Color Contrast Check

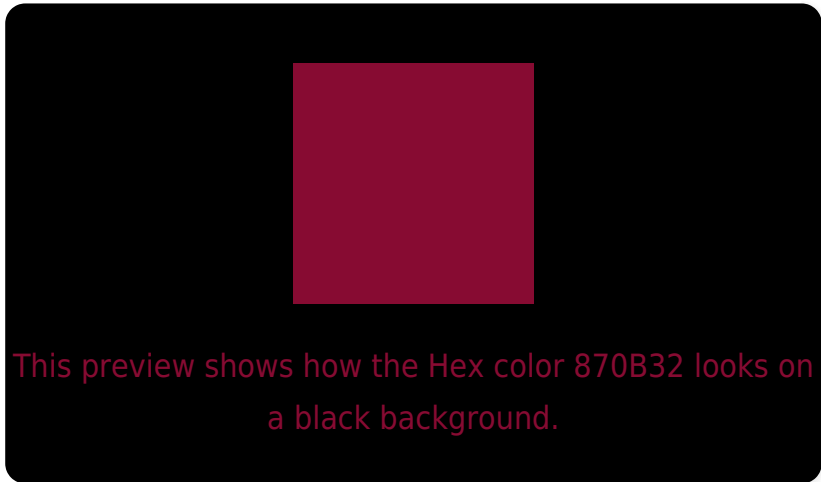
Large Text (above 18pt) WCAG AA ✓ Pass

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 870B32 Background



This preview shows how black text looks on a background with the Hex color 870B32.



This preview shows how white text looks on a background with the Hex color 870B32.

# 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**  
870B32

**Protanopia**  
464549

**Deuteranopia**  
54422C



**Tritanopia**  
861615

# Trichromacy



**Original Color**  
870B32

**Protanomaly**  
5E3041

**Deuteranomaly**  
672E2E

**Tritanomaly**  
861220

# Monochromacy



**Original Color**  
870B32

**Achromatopsia**  
353535

**Achromatomaly**  
532634

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 870B32 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 #870B32 looks like.

```
.text, #text, p{  
    color:#870B32  
}
```

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 #870B32 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #870B32
}
```

## Border

The CSS property to change the border of an element to Hex 870B32 is called "border". The border property can be set on classes, ids or directly on the HTML element.

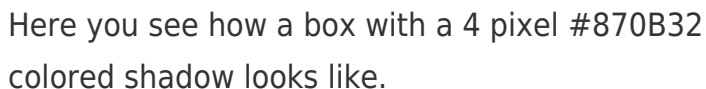
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#870B32 }
```

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

```
.border{ border-color:#870B32 }
```

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



Here you see how a box with a 4 pixel #870B32 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #870B32; -webkit-box-shadow:4px 4px  
4px 4px #870B32; box-shadow:4px 4px 4px  
4px #870B32 }
```

# Background

The CSS property to change the background color of an element to Hex 870B32 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#870B32 }
```

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

```
.background{ background-color:#870B32 }
```

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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