

# Converting Colors

Hex(89002C)

Have a look what the booklet for  
Hex(89002C) contains.

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# Color

**Hex(89002C)**

# Conversions

## Conversions Part 1

Format	Color
Hex	89002C
RGB	137, 0, 44
RGB Percent	54%, 0%, 17%
CMY	0.4627, 1.0000, 0.8275
CMYK	0.00, 1.00, 0.68, 0.46
HSL	341°, 100%, 27%
HSV	341°, 100%, 54%
XYZ	10.7712, 5.5002, 2.8768
YIQ	45.9790, 67.5280, 42.7280

# Conversions

## Conversions Part 2

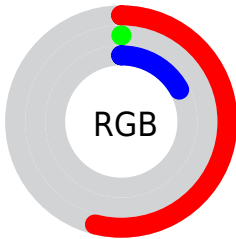
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	137, 0, 44
Decimal	8978476
CIE Lab	28.11, 51.81, 16.49
CIE LCh	28, 54.372, 17.657
Yxy	5.5002, 0.5625, 0.2872
Android (android.graphics.Color)	4287168556 (0xFF89002C)
YUV	45.9790, -0.9756, 79.8254
Hunter-Lab	23.4525, 40.9386, 9.1439

# Details

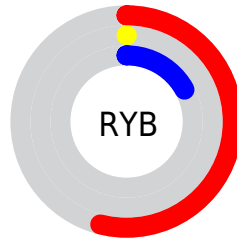
The Hex color **89002C** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **00895D**, and the grayscale version is **2E2E2E**.

A 20% lighter version of the original color is **C44659**, and **500000** is the 20% darker color. If you saturate the color by 10%, you get **89002C**, and if you desaturate by 10%, it is **890E35**.

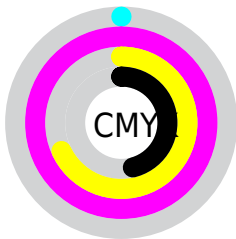
# Distribution



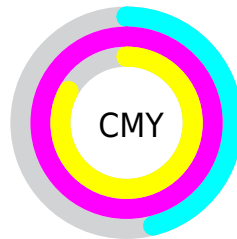
- Red (54%)
- Green (0%)
- Blue (17%)



- Red (54%)
- Yellow (0%)
- Blue (17%)



- Cyan (0%)
- Magenta (100%)
- Yellow (68%)
- Black (46%)



- Cyan (46%)
- Magenta (100%)
- Yellow (83%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 89002C 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 89002C by changing the saturation by 10% instead.



 89002C

 89002C

FFFFFF

 6C0018

 C44659

 500000

 E36172

 350002

 FF7C8B

 020000

 FF98A5

 000000

 FFB4C0

 FFD1DC

 FFEEF9

 89002C

 890E35

 891B3F

 892948

 893751

 89455B

 895264

 89606D

 896E76

 897B80

# Harmonies

## Analogous

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



820355



89002C



7C2400

# Triad

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



89002C



004F00



004D95

# Complementary

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



89002C



00895D

# 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.



005280



89002C



00532F

# Square

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



89002C



3C4800



00545B



003F93

# Rectangle

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



89002C



6B3400



00545B



004F91



# Sweetspot

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



89002C



B37D8E



5B0089



593943



D9D9D9



595959



# Same Dimension

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



89002C



B30039



891700



453E40



85002B



050002



# Inverse Universe

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



89002C



B30039



007289



453E40



85002B

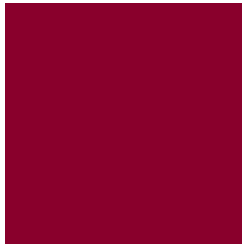


050002



# Previews

## White Background



This preview shows how the Hex color 89002C looks on a white background.

## Color Contrast Check

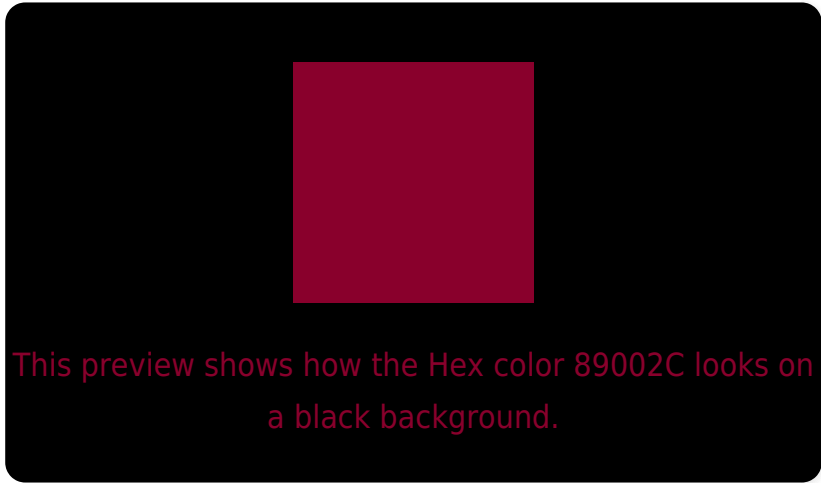
Large Text (above 18pt) WCAG AA ✓ Pass

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 89002C Background



This preview shows how black text looks on a background with the Hex color 89002C.



This preview shows how white text looks on a background with the Hex color 89002C.

# 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**  
89002C

**Protanopia**  
484641

**Deuteranopia**  
564326



**Tritanopia**  
88120F

# Trichromacy



**Original Color**  
89002C

**Protanomaly**  
602D39

**Deuteranomaly**  
692B28

**Tritanomaly**  
880B1A

# Monochromacy



**Original Color**  
89002C

**Achromatopsia**  
2E2E2E

**Achromatomaly**  
4F1D2D

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 89002C 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 #89002C looks like.

```
.text, #text, p{  
    color:#89002C  
}
```

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 #89002C colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #89002C
}
```

## Border

The CSS property to change the border of an element to Hex 89002C is called "border". The border property can be set on classes, ids or directly on the HTML element.

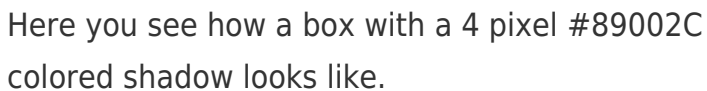
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#89002C }
```

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

```
.border{ border-color:#89002C }
```

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



Here you see how a box with a 4 pixel #89002C colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #89002C; -webkit-box-shadow:4px 4px  
4px 4px #89002C; box-shadow:4px 4px 4px  
4px #89002C }
```

# Background

The CSS property to change the background color of an element to Hex 89002C is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#89002C }
```

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

```
.background{ background-color:#89002C }
```

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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