

# Converting Colors

Hex(89022F)

Have a look what the booklet for  
Hex(89022F) contains.

<b>Hex(89022F)</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(89022F)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	89022F
RGB	137, 2, 47
RGB Percent	54%, 1%, 18%
CMY	0.4627, 0.9922, 0.8157
CMYK	0.00, 0.99, 0.66, 0.46
HSL	340°, 97%, 27%
HSV	340°, 99%, 54%
XYZ	10.8513, 5.5670, 3.1919
YIQ	47.4950, 66.0150, 42.6150

# Conversions

## Conversions Part 2

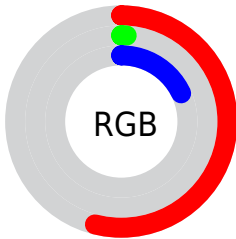
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	137, 2, 47
Decimal	8978991
CIE <sub>Lab</sub>	28.29, 51.64, 14.70
CIE <sub>LCh</sub>	28, 53.694, 15.887
Yxy	5.5670, 0.5533, 0.2839
Android (android.graphics.Color)	4287169071 (0xFF89022F)
YUV	47.4950, -0.2440, 78.4959
Hunter-Lab	23.5945, 40.8033, 8.4952

# Details

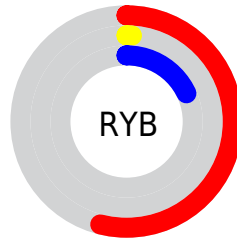
The Hex color **89022F** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **02895C**, and the grayscale version is **2F2F2F**.

A 20% lighter version of the original color is **C4475C**, and **500000** is the 20% darker color. If you saturate the color by 10%, you get **89002E**, and if you desaturate by 10%, it is **891038**.

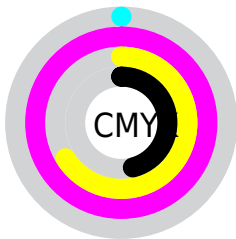
# Distribution



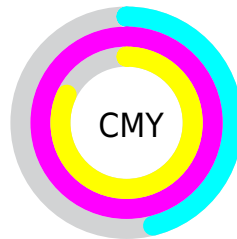
- Red (54%)
- Green (1%)
- Blue (18%)



- Red (54%)
- Yellow (1%)
- Blue (18%)



- Cyan (0%)
- Magenta (99%)
- Yellow (66%)
- Black (46%)



- Cyan (46%)
- Magenta (99%)
- Yellow (82%)
- Black (0%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 89022F 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 89022F by changing the saturation by 10% instead.



 89022F

 89022F

FFFFFF

 6C001B

 C4475C

 500000

 E36275

 350002

 FF7D8F

 030000

 FF99A9

 000000

 FFB5C4

 FFD1E0

 FFEFFD

 89022F

 89022F

■ 89002E

■ 891038

■ 891D41

■ 892B4A

■ 893954

■ 89465D

■ 895466

■ 89626F

■ 897078

■ 897D81

# Harmonies

## Analogous

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



810958



89022F



7D2304

# Triad

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



89022F



004F00



004D94

# Complementary

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



89022F



02895C

# 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.



00537E



89022F



00532D

# Square

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



89022F



3F4800



005458



004194

# Rectangle

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



89022F



6D3300



005458



00508F



# Sweetspot

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



89022F



B37D8F



5C0289



593944



D9D9D9



595959



# Same Dimension

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



89022F



B3003C



891802



453E40



85002C



050002



# Inverse Universe

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



89022F



B3003C



027289



453E40



85002C

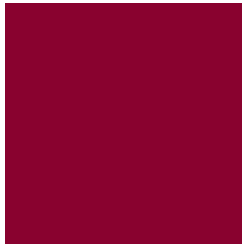


050002



# Previews

## White Background



This preview shows how the Hex color 89022F looks on a white background.

## Color Contrast Check

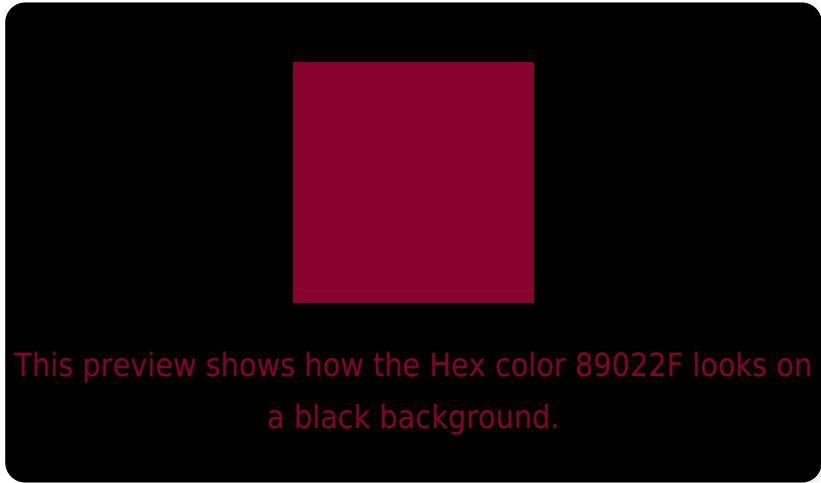
Large Text (above 18pt) WCAG AA ✓ Pass

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

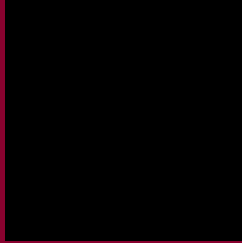
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 89022F Background



This preview shows how black text looks on a background with the Hex color 89022F.

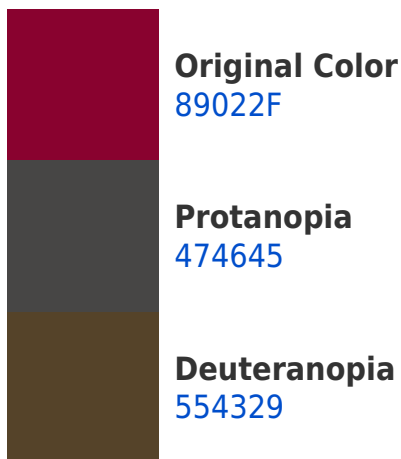


This preview shows how white text looks on a background with the Hex color 89022F.

# 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**  
881311

# Trichromacy



**Original Color**  
89022F

**Protanomaly**  
5F2D3D

**Deuteranomaly**  
682B2B

**Tritanomaly**  
880D1C

# Monochromacy



**Original Color**  
89022F

**Achromatopsia**  
2F2F2F

**Achromatomaly**  
501F2F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 89022F 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 #89022F looks like.

```
.text, #text, p{  
    color:#89022F  
}
```

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 #89022F colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #89022F
}
```

## Border

The CSS property to change the border of an element to Hex 89022F is called "border". The border property can be set on classes, ids or directly on the HTML element.

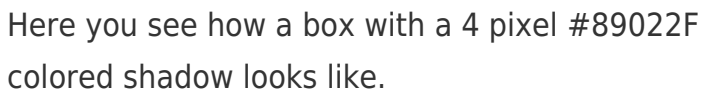
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#89022F }
```

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

```
.border{ border-color:#89022F }
```

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



Here you see how a box with a 4 pixel #89022F colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #89022F; -webkit-box-shadow:4px 4px  
4px 4px #89022F; box-shadow:4px 4px 4px  
4px #89022F }
```

# Background

The CSS property to change the background color of an element to Hex 89022F is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#89022F }
```

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

```
.background{ background-color:#89022F }
```

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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