

# Converting Colors

Hex(9F0022)

Have a look what the booklet for  
Hex(9F0022) contains.

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**Color**

**Hex(9F0022)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9F0022
RGB	159, 0, 34
RGB Percent	62%, 0%, 13%
CMY	0.3765, 1.0000, 0.8667
CMYK	0.00, 1.00, 0.79, 0.38
HSL	347°, 100%, 31%
HSV	347°, 100%, 62%
XYZ	14.5868, 7.4864, 2.1896
YIQ	51.4170, 83.8500, 44.2820

# Conversions

## Conversions Part 2

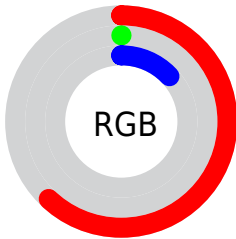
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	159, 0, 34
Decimal	10420258
CIE <sub>Lab</sub>	32.89, 56.97, 29.91
CIE <sub>LCh</sub>	33, 64.339, 27.698
Y <sub>xy</sub>	7.4864, 0.6012, 0.3086
Android (android.graphics.Color)	4288610338 (0xFF9F0022)
Y <sub>UV</sub>	51.4170, -8.5866, 94.3503
Hunter-Lab	27.3613, 47.2792, 14.4083

# Details

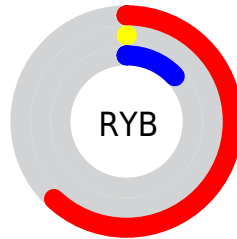
The Hex color **9F0022** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **009F7D**, and the grayscale version is **333333**.

A 20% lighter version of the original color is **DD4B4E**, and **630000** is the 20% darker color. If you saturate the color by 10%, you get **9F0022**, and if you desaturate by 10%, it is **9F102E**.

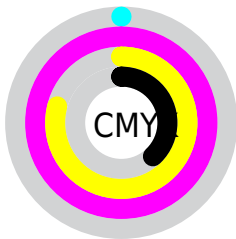
# Distribution



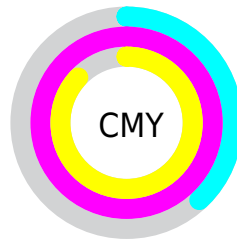
- Red (62%)
- Green (0%)
- Blue (13%)



- Red (62%)
- Yellow (0%)
- Blue (13%)



- Cyan (0%)
- Magenta (100%)
- Yellow (79%)
- Black (38%)



- Cyan (38%)
- Magenta (100%)
- Yellow (87%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 9F0022 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 9F0022 by changing the saturation by 10% instead.



 9F0022

 9F0022

FFFFFF

 81000D

 DD4B4E

 630000

 FC6766

 460002

 FF8380

 280001

 FF9F9A

 000000

 FFBBB4

 FFD8D0

 FFF6EC

 9F0022

 9F102E

 9F203B

 9F3047

 9F4054

 9F5060

 9F5F6D

 9F6F79

 9F7F86

 9F8F93

# Harmonies

## Analogous

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



A00054



9F0022



883200

# Triad

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



9F0022



005E0E



0056B5

# Complementary

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



9F0022



009F7D

# 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.



005FA4



9F0022



006148

# Square

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



9F0022



315800



00627C



3642A9

# Rectangle

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



9F0022



704400



00627C



005AB2



# Sweetspot

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



9F0022



CF919E



7D009F



69434B



E8E8E8



696969



# Same Dimension

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



9F0022



CF002C



9F2D00



4F4749



8F001F



0F0003



# Inverse Universe

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



9F0022



CF002C



00729F



4F4749



8F001F



0F0003



# Previews

## White Background



This preview shows how the Hex color 9F0022 looks on a white background.

## Color Contrast Check

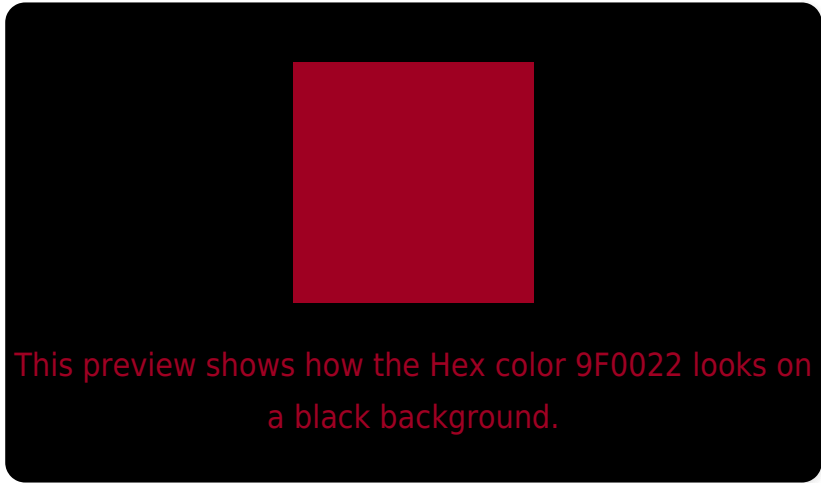
Large Text (above 18pt) WCAG AA ✓ Pass

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 9F0022 Background



This preview shows how black text looks on a background with the Hex color 9F0022.



This preview shows how white text looks on a background with the Hex color 9F0022.

# 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**  
9F0022

**Protanopia**  
585134

**Deuteranopia**  
654D17



**Tritanopia**  
9F0E05

# Trichromacy



**Original Color**  
9F0022

**Protanomaly**  
72342D

**Deuteranomaly**  
7A311B

**Tritanomaly**  
9F0910

# Monochromacy



**Original Color**  
9F0022

**Achromatopsia**  
333333

**Achromatomaly**  
5A202D

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 9F0022 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 #9F0022 looks like.

```
.text, #text, p{  
    color:#9F0022  
}
```

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 #9F0022 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #9F0022
}
```

## Border

The CSS property to change the border of an element to Hex 9F0022 is called "border". The border property can be set on classes, ids or directly on the HTML element.

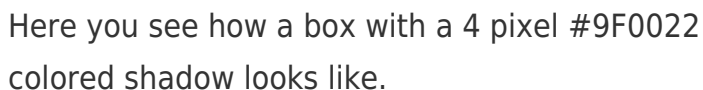
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#9F0022 }
```

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

```
.border{ border-color:#9F0022 }
```

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



Here you see how a box with a 4 pixel #9F0022 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #9F0022; -webkit-box-shadow:4px 4px  
4px 4px #9F0022; box-shadow:4px 4px 4px  
4px #9F0022 }
```

# Background

The CSS property to change the background color of an element to Hex 9F0022 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#9F0022 }
```

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

```
.background{ background-color:#9F0022 }
```

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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