

# Converting Colors

Hex(9C0022)

Have a look what the booklet for  
Hex(9C0022) contains.

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**Color**

**Hex(9C0022)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9C0022
RGB	156, 0, 34
RGB Percent	61%, 0%, 13%
CMY	0.3882, 1.0000, 0.8667
CMYK	0.00, 1.00, 0.78, 0.39
HSL	347°, 100%, 31%
HSV	347°, 100%, 61%
XYZ	13.9990, 7.1834, 2.1621
YIQ	50.5200, 82.0620, 43.6460

# Conversions

## Conversions Part 2

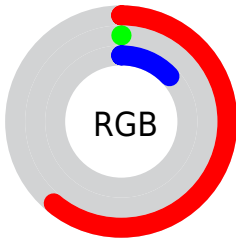
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	156, 0, 34
Decimal	10223650
CIE <sub>Lab</sub>	32.22, 56.20, 28.98
CIE <sub>LCh</sub>	32, 63.236, 27.277
Yxy	7.1834, 0.5997, 0.3077
Android (android.graphics.Color)	4288413730 (0xFF9C0022)
YUV	50.5200, -8.1444, 92.5060
Hunter-Lab	26.8019, 46.3300, 13.9785

# Details

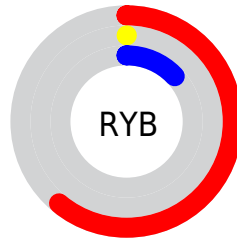
The Hex color **9C0022** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **009C7A**, and the grayscale version is **333333**.

A 20% lighter version of the original color is **DA4A4E**, and **600000** is the 20% darker color. If you saturate the color by 10%, you get **9C0022**, and if you desaturate by 10%, it is **9C102E**.

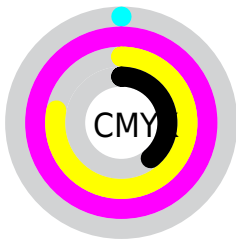
# Distribution



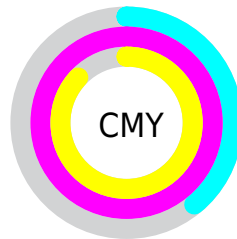
- Red (61%)
- Green (0%)
- Blue (13%)



- Red (61%)
- Yellow (0%)
- Blue (13%)



- Cyan (0%)
- Magenta (100%)
- Yellow (78%)
- Black (39%)



- Cyan (39%)
- Magenta (100%)
- Yellow (87%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 9C0022 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 9C0022 by changing the saturation by 10% instead.



 9C0022

 9C0022

FFFFFF

 7E000D

 DA4A4E

 600000

 F96666

 430002

 FF827F

 240001

 FF9E99

 000000

 FFBAB4

 FFD7D0

 FFF5EC

 9C0022

 9C102E

 9C1F3A

 9C2F47

 9C3E53

 9C4E5F

 9C5E6B

 9C6D77

 9C7D84

 9C8C90

# Harmonies

## Analogous

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



9D0053



9C0022



863100

# Triad

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



9C0022



005C0C



0054B1

# Complementary

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



9C0022



009C7A

# 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.



005DA0



9C0022



005F46

# Square

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



9C0022



315600



006079



3341A6

# Rectangle

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



9C0022



6F4200



006079



0058AE



# Sweetspot

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



9C0022



CC8F9C



78009C



664149



E6E6E6



666666



# Same Dimension

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



9C0022



CC002C



9C2A00



4F4749



8F001F



0F0003



# Inverse Universe

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



9C0022



CC002C



00729C



4F4749



8F001F



0F0003



# Previews

## White Background



This preview shows how the Hex color 9C0022 looks on a white background.

## Color Contrast Check

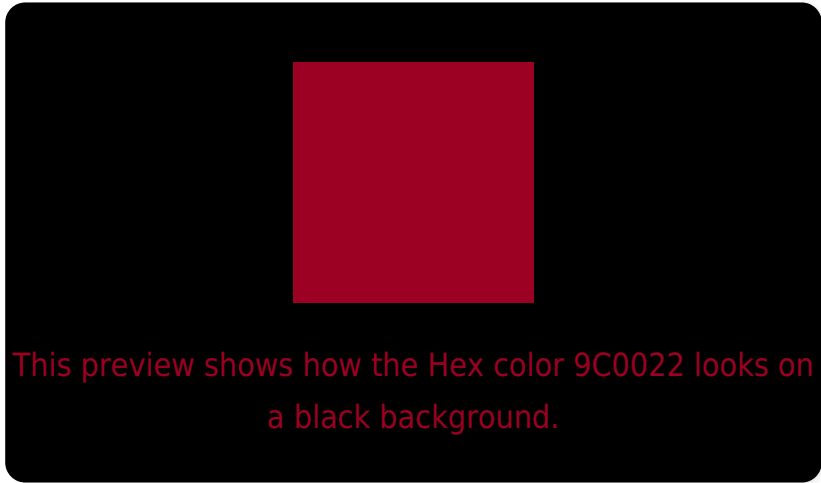
Large Text (above 18pt) WCAG AA ✓ Pass

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 9C0022 Background



This preview shows how black text looks on a background with the Hex color 9C0022.



This preview shows how white text looks on a background with the Hex color 9C0022.

# 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**  
9C0022

**Protanopia**  
564F34

**Deuteranopia**  
634B18



# Trichromacy



**Original Color**  
9C0022

**Protanomaly**  
6F322D

**Deuteranomaly**  
78301C

**Tritanomaly**  
9C0910

# Monochromacy



**Original Color**  
9C0022

**Achromatopsia**  
333333

**Achromatomaly**  
59202D

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 9C0022 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 #9C0022 looks like.

```
.text, #text, p{  
    color:#9C0022  
}
```

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 #9C0022 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #9C0022
}
```

## Border

The CSS property to change the border of an element to Hex 9C0022 is called "border". The border property can be set on classes, ids or directly on the HTML element.

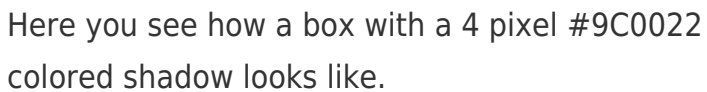
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#9C0022 }
```

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

```
.border{ border-color:#9C0022 }
```

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



Here you see how a box with a 4 pixel #9C0022 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #9C0022; -webkit-box-shadow:4px 4px  
4px 4px #9C0022; box-shadow:4px 4px 4px  
4px #9C0022 }
```

# Background

The CSS property to change the background color of an element to Hex 9C0022 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#9C0022 }
```

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

```
.background{ background-color:#9C0022 }
```

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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