

# Converting Colors

Hex(970022)

Have a look what the booklet for  
Hex(970022) contains.

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**Color**

**Hex(970022)**

# Conversions

## Conversions Part 1

Format	Color
Hex	970022
RGB	151, 0, 34
RGB Percent	59%, 0%, 13%
CMY	0.4078, 1.0000, 0.8667
CMYK	0.00, 1.00, 0.77, 0.41
HSL	346°, 100%, 30%
HSV	346°, 100%, 59%
XYZ	13.0512, 6.6948, 2.1177
YIQ	49.0250, 79.0820, 42.5860

# Conversions

## Conversions Part 2

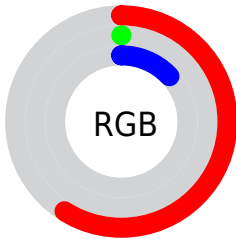
Format	Color
<b>RYB</b>	151, 0, 34
Decimal	9895970
CIELab	31.10, 54.93, 27.42
CIELCh	31, 61.394, 26.532
Yxy	6.6948, 0.5969, 0.3062
Android (android.graphics.Color)	4288086050 (0xFF970022)
YUV	49.0250, -7.4073, 89.4321
Hunter-Lab	25.8743, 44.7569, 13.2593

# Details

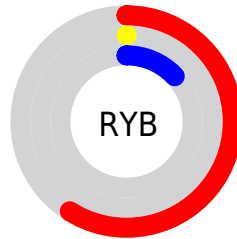
The Hex color **970022** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **009775**, and the grayscale version is **313131**.

A 20% lighter version of the original color is **D4494E**, and **5B0000** is the 20% darker color. If you saturate the color by 10%, you get **970022**, and if you desaturate by 10%, it is **970F2E**.

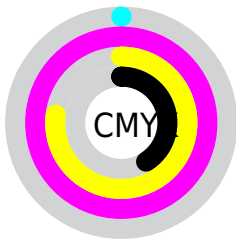
# Distribution



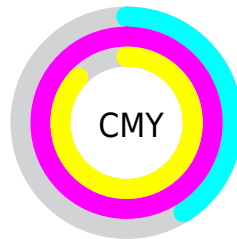
- Red (59%)
- Green (0%)
- Blue (13%)



- Red (59%)
- Yellow (0%)
- Blue (13%)



- Cyan (0%)
- Magenta (100%)
- Yellow (77%)
- Black (41%)



- Cyan (41%)
- Magenta (100%)
- Yellow (87%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 970022 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 970022 by changing the saturation by 10% instead.



 970022

 970022

FFFFFF

 79000D

 D4494E

 5B0000

 F36566

 400002

 FF807F

 1E0001

 FF9C99

 000000

 FFB9B4

 FFD5D0

 FFF3EC

 970022

 970F2E

 971E39

 972D45

 973C51

 974C5D

 975B68

 976A74

 977980

 97888B

# Harmonies

## Analogous

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



970051



970022



822E00

# Triad

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



970022



00590A



0052AB

# Complementary

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



970022



009775

# 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.



005A9A



970022



005C42

# Square

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



970022



315300



005D73



2E3FA1

# Rectangle

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



970022



6C3F00



005D73



0055A8



# Sweetspot

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



970022



C48997



740097



634048



E3E3E3



636363



# Same Dimension

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



970022



C4002C



972800



4D4547



8C0020



0D0003



# Inverse Universe

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



970022



C4002C



006F97



4D4547



8C0020



0D0003



# Previews

## White Background



This preview shows how the Hex color 970022 looks on a white background.

## Color Contrast Check

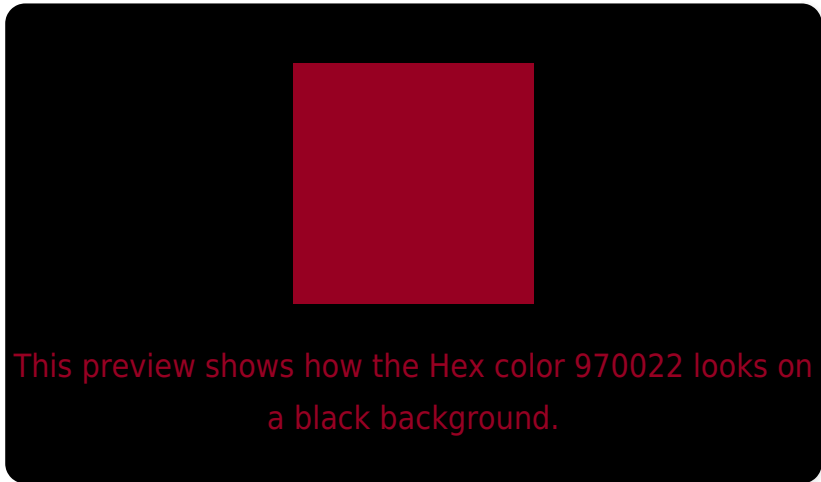
Large Text (above 18pt) WCAG AA ✓ Pass

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 970022 Background



This preview shows how black text looks on a background with the Hex color 970022.



This preview shows how white text looks on a background with the Hex color 970022.

# 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**  
970022

**Protanopia**  
534D34

**Deuteranopia**  
604918



**Tritanopia**  
970E07

# Trichromacy



**Original Color**  
970022

**Protanomaly**  
6C312D

**Deuteranomaly**  
742E1C

**Tritanomaly**  
970911

# Monochromacy



**Original Color**  
970022

**Achromatopsia**  
313131

**Achromatomaly**  
561F2C

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 970022 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 #970022 looks like.

```
.text, #text, p{  
    color:#970022  
}
```

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 #970022 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #970022
}
```

## Border

The CSS property to change the border of an element to Hex 970022 is called "border". The border property can be set on classes, ids or directly on the HTML element.

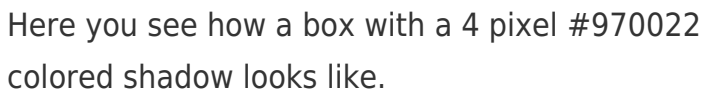
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#970022 }
```

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

```
.border{ border-color:#970022 }
```

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



Here you see how a box with a 4 pixel #970022 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #970022; -webkit-box-shadow:4px 4px  
4px 4px #970022; box-shadow:4px 4px 4px  
4px #970022 }
```

# Background

The CSS property to change the background color of an element to Hex 970022 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#970022 }
```

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

```
.background{ background-color:#970022 }
```

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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