

# Converting Colors

Hex(990016)

Have a look what the booklet for  
Hex(990016) contains.

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**Color**

**Hex(990016)**

# Conversions

## Conversions Part 1

Format	Color
Hex	990016
RGB	153, 0, 22
RGB Percent	60%, 0%, 9%
CMY	0.4000, 1.0000, 0.9137
CMYK	0.00, 1.00, 0.86, 0.40
HSL	351°, 100%, 30%
HSV	351°, 100%, 60%
XYZ	13.2817, 6.8302, 1.3774
YIQ	48.2550, 84.1260, 39.2780

# Conversions

## Conversions Part 2

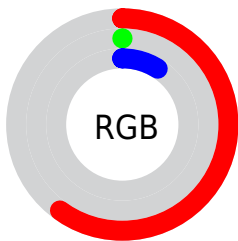
<b>Format</b>	<b>Color</b>
<b>RYB</b>	153, 0, 22
Decimal	10027030
CIELab	31.42, 55.08, 35.15
CIELCh	31, 65.340, 32.547
Yxy	6.8302, 0.6181, 0.3178
Android (android.graphics.Color)	4288217110 (0xFF990016)
YUV	48.2550, -12.9437, 91.8614
Hunter-Lab	26.1347, 44.9781, 15.1695

# Details

The Hex color **990016** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **009983**, and the grayscale version is **303030**.

A 20% lighter version of the original color is **D74942**, and **5C0000** is the 20% darker color. If you saturate the color by 10%, you get **990016**, and if you desaturate by 10%, it is **990F23**.

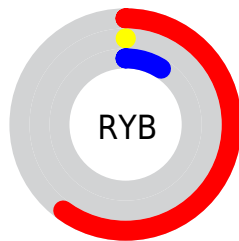
# Distribution



Red (60%)

Green (0%)

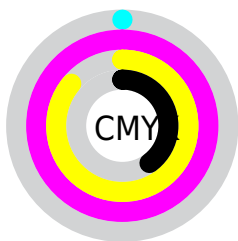
Blue (9%)



Red (60%)

Yellow (0%)

Blue (9%)

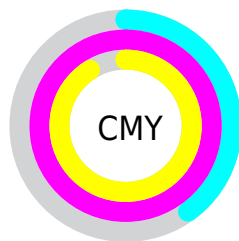


Cyan (0%)

Magenta (100%)

Yellow (86%)

Black (40%)



Cyan (40%)

Magenta (100%)

Yellow (91%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 990016 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 990016 by changing the saturation by 10% instead.



 990016

 990016

 FFFFFA

 7B0000

 D74942

 5C0000

 F76559

 400002

 FF8172

 200001

 FF9C8C

 000000

 FFB9A6

 FFD6C2

 FFF3DE

 990016

 990F23

 991F30

 992E3D

 993D4A

 994D57

 995C65

 996B72

 997A7F

 998A8C

# Harmonies

## Analogous

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



9F0048



990016



7F3300

# Triad

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



990016



005B14



0050B2

# Complementary

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



990016



009983

# 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.



005BA6



990016



005E4D

# Square

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



990016



205600



005E80



4539A2

# Rectangle

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



990016



664400



005E80



0055B1



# Sweetspot

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



990016



C78B94



820099



634045



E3E3E3



636363



# Same Dimension

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



990016



C7001D



993600



4D4546



8C0014



0D0002



# Inverse Universe

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



990016



C7001D



006399



4D4546



8C0014



0D0002



# Previews

## White Background



This preview shows how the Hex color 990016 looks on a white background.

## Color Contrast Check

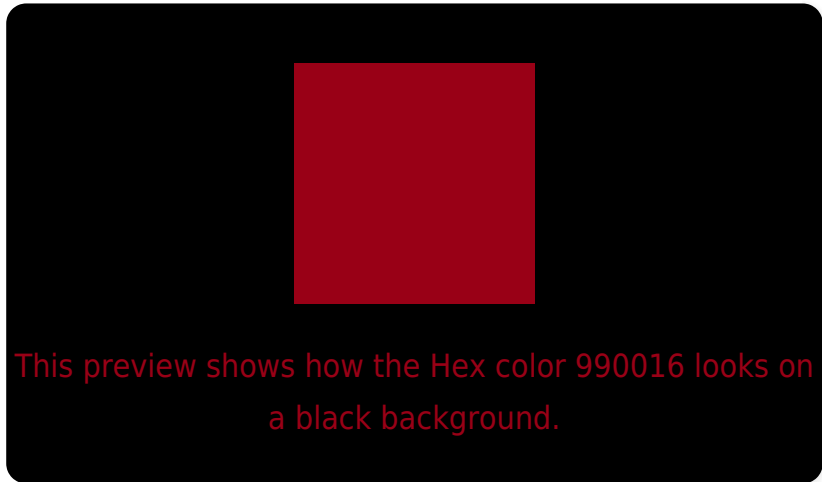
Large Text (above 18pt) WCAG AA ✓ Pass

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 990016 Background



This preview shows how black text looks on a background with the Hex color 990016.



This preview shows how white text looks on a background with the Hex color 990016.

# 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



# Trichromacy



**Original Color**  
990016

**Protanomaly**  
6E311F

**Deuteranomaly**  
762E08

# Monochromacy



**Original Color**  
990016

**Achromatopsia**  
303030

**Achromatomaly**  
561F27

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 990016 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 #990016 looks like.

```
.text, #text, p{  
    color:#990016  
}
```

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 #990016 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #990016
}
```

## Border

The CSS property to change the border of an element to Hex 990016 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".

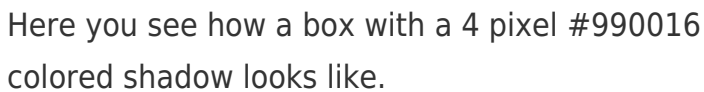
```
.border, #border, table{ border:4px solid
#990016 }
```

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

```
.border{ border-color:#990016 }
```

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

Here you see how a box with a 4 pixel #990016 colored shadow looks like.

A rectangular box with a dark red border and a dark red shadow. The box is white with a thin dark red border on the top and left sides, and a thicker dark red shadow on the bottom and right sides.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #990016; -webkit-box-shadow:4px 4px  
4px 4px #990016; box-shadow:4px 4px 4px  
4px #990016 }
```

# Background

The CSS property to change the background color of an element to Hex 990016 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#990016 }
```

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

```
.background{ background-color:#990016 }
```

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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