

# Converting Colors

Hex(490012)

Have a look what the booklet for  
Hex(490012) contains.

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**Color**

**Hex(490012)**

# Conversions

## Conversions Part 1

Format	Color
Hex	490012
RGB	73, 0, 18
RGB Percent	29%, 0%, 7%
CMY	0.7137, 1.0000, 0.9294
CMYK	0.00, 1.00, 0.75, 0.71
HSL	345°, 100%, 14%
HSV	345°, 100%, 29%
XYZ	2.8568, 1.4601, 0.7035
YIQ	23.8790, 37.7300, 21.0740

# Conversions

## Conversions Part 2

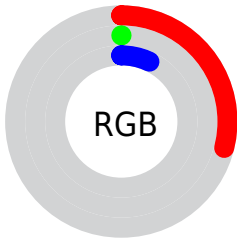
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	73, 0, 18
Decimal	4784146
CIE <sub>Lab</sub>	12.35, 33.25, 11.23
CIE <sub>LCh</sub>	12, 35.098, 18.668
Yxy	1.4601, 0.5690, 0.2908
Android (android.graphics.Color)	4282974226 (0xFF490012)
YUV	23.8790, -2.8983, 43.0791
Hunter-Lab	12.0836, 21.0550, 5.0066

# Details

The Hex color **490012** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **004937**, and the grayscale version is **181818**.

A 20% lighter version of the original color is **7F343C**, and **010000** is the 20% darker color. If you saturate the color by 10%, you get **490012**, and if you desaturate by 10%, it is **490718**.

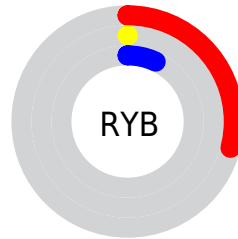
# Distribution



Red (29%)

Green (0%)

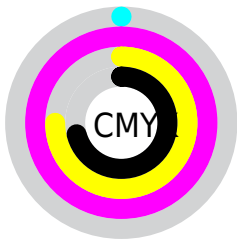
Blue (7%)



Red (29%)

Yellow (0%)

Blue (7%)

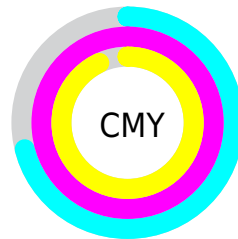


Cyan (0%)

Magenta (100%)

Yellow (75%)

Black (71%)



Cyan (71%)

Magenta (100%)

Yellow (93%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 490012 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 490012 by changing the saturation by 10% instead.



 490012

 490012

 FFEDF1

 310000

 7F343C

 010000

 9A4C53

 000000

 B7656B

 D47F84

 F19A9E

 FF5B9

 FFD1D5

 490012

■ 490718

■ 490F1D

■ 491623

■ 491D28

■ 49252E

■ 492C33

■ 493339

■ 493A3E

■ 494244

# Harmonies

## Analogous

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



46002A



490012



410F00

# Triad

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



490012



002800



002650

# Complementary

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



490012



004937

# 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.



002A45



490012



002A16

# Square

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



490012



1B2400



002B2F



001E4F

# Rectangle

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



490012



371800



002B2F



00284E



# Sweetspot

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



490012



5E4249



370049



301F23



B0B0B0



303030



# Same Dimension

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



490012



5E0017



491200



242021



630019



E30038



# Inverse Universe

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



490012



5E0017



003749



242021



630019

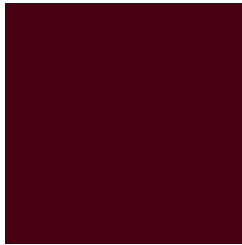


E30038



# Previews

## White Background



This preview shows how the Hex color 490012 looks on a white background.

## Color Contrast Check

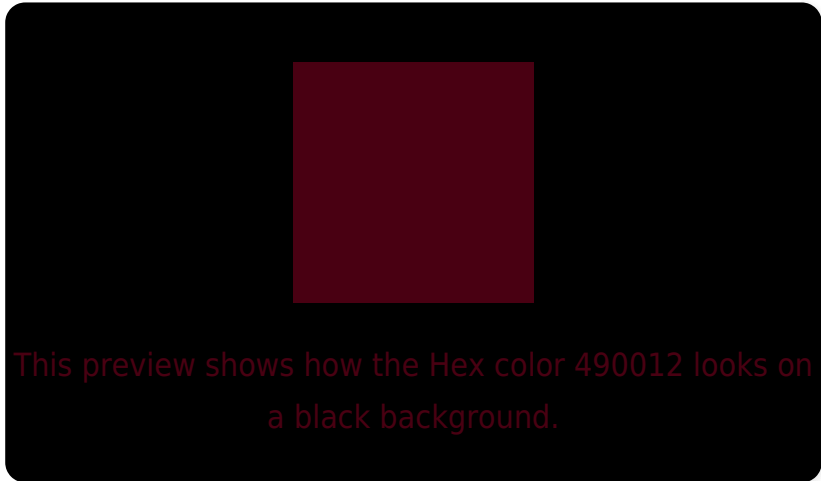
Large Text (above 18pt) WCAG AA ✓ Pass

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

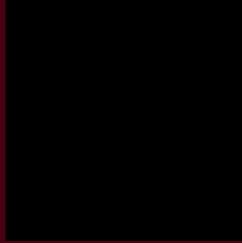
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 490012 Background



This preview shows how black text looks on a background with the Hex color 490012.



This preview shows how white text looks on a background with the Hex color 490012.

# 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**  
490012

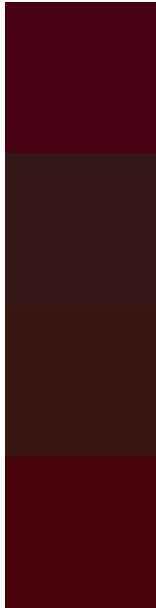
**Protanopia**  
28251B

**Deuteranopia**  
2E230E



**Tritanopia**  
490705

# Trichromacy



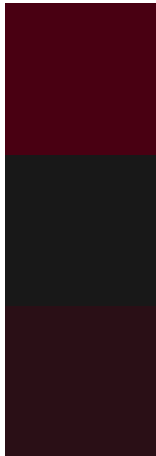
**Original Color**  
490012

**Protanomaly**  
341818

**Deuteranomaly**  
38160F

**Tritanomaly**  
49040A

# Monochromacy



**Original Color**  
490012

**Achromatopsia**  
181818

**Achromatomaly**  
2A0F16

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 490012 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 #490012 looks like.

```
.text, #text, p{  
    color:#490012  
}
```

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 #490012 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #490012
}
```

## Border

The CSS property to change the border of an element to Hex 490012 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".

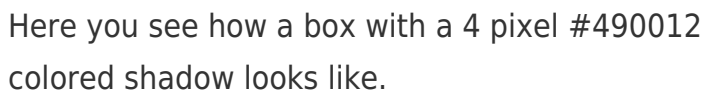
```
.border, #border, table{ border:4px solid
#490012 }
```

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

```
.border{ border-color:#490012 }
```

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

Here you see how a box with a 4 pixel #490012 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. Below the box, there is a thick dark red horizontal bar. The shadow is a dark red rectangular area that is slightly offset from the bottom and right edges of the box.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #490012; -webkit-box-shadow:4px 4px  
4px 4px #490012; box-shadow:4px 4px 4px  
4px #490012 }
```

# Background

The CSS property to change the background color of an element to Hex 490012 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#490012 }
```

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

```
.background{ background-color:#490012 }
```

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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