

# Converting Colors

Hex(9B470D)

Have a look what the booklet for  
Hex(9B470D) contains.

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**Color**

**Hex(9B470D)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9B470D
RGB	155, 71, 13
RGB Percent	61%, 28%, 5%
CMY	0.3922, 0.7216, 0.9490
CMYK	0.00, 0.54, 0.92, 0.39
HSL	25°, 85%, 33%
HSV	25°, 92%, 61%
XYZ	15.8435, 11.5041, 1.7662
YIQ	89.5040, 68.6820, -0.2300

# Conversions

## Conversions Part 2

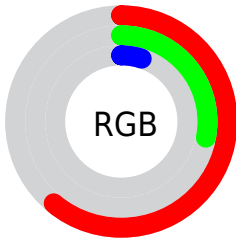
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	155, 111, 13
Decimal	10176269
CIE Lab	40.42, 32.00, 46.64
CIE LCh	40, 56.563, 55.549
Yxy	11.5041, 0.5442, 0.3951
Android (android.graphics.Color)	4288366349 (0xFF9B470D)
YUV	89.5040, -37.7165, 57.4400
Hunter-Lab	33.9177, 24.0240, 20.6549

# Details

The Hex color **9B470D** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **0D619B**, and the grayscale version is **5A5A5A**.

A 20% lighter version of the original color is **D7793F**, and **611700** is the 20% darker color. If you saturate the color by 10%, you get **9B3F00**, and if you desaturate by 10%, it is **9B501D**.

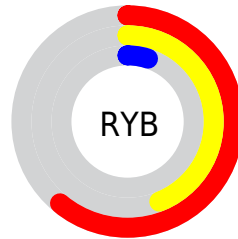
# Distribution



Red (61%)

Green (28%)

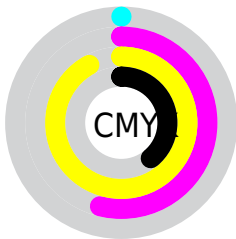
Blue (5%)



Red (61%)

Yellow (44%)

Blue (5%)

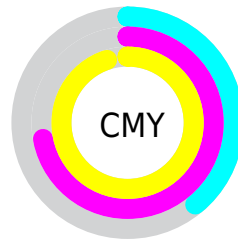


Cyan (0%)

Magenta (54%)

Yellow (92%)

Black (39%)



Cyan (39%)

Magenta (72%)

Yellow (95%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 9B470D 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 9B470D by changing the saturation by 10% instead.



 9B470D

 9B470D

 FFFFFB

 7E2F00

 D7793F

 611700

 F69458

 440000

 FFAF72

 2D0001

 FFCA8C

 000000

 FFE7A7

 FFFFC2

 FFFFDE

 9B470D

 9B470D

■ 9B3F00

■ 9B501D

■ 9B592C

■ 9B633C

■ 9B6C4B

■ 9B755B

■ 9B7E6A

■ 9B877A

■ 9B9089

■ 9B9A99

# Harmonies

## Analogous

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



AE313A



9B470D



795B00

# Triad

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



9B470D



007357



4D56B4

# Complementary

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



9B470D



0D619B

# 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.



0067BC



9B470D



007486

# Square

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



9B470D



007026



0070AB



8F3E94

# Rectangle

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



9B470D



5D6500



0070AB



1B5DB9



# Sweetspot

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



9B470D



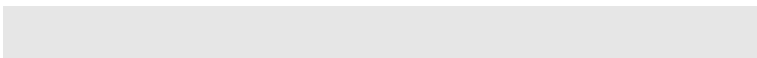
C9A993



9B0D62



665345



E6E6E6



666666



# Same Dimension

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



9B470D



C95200



9B8D0D



4D4845



8C3900



0D0500



# Inverse Universe

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



0D619B



0077C9



0D1B9B



45494D



00538C



00080D



# Previews

## White Background



This preview shows how the Hex color 9B470D looks on a white background.

## Color Contrast Check

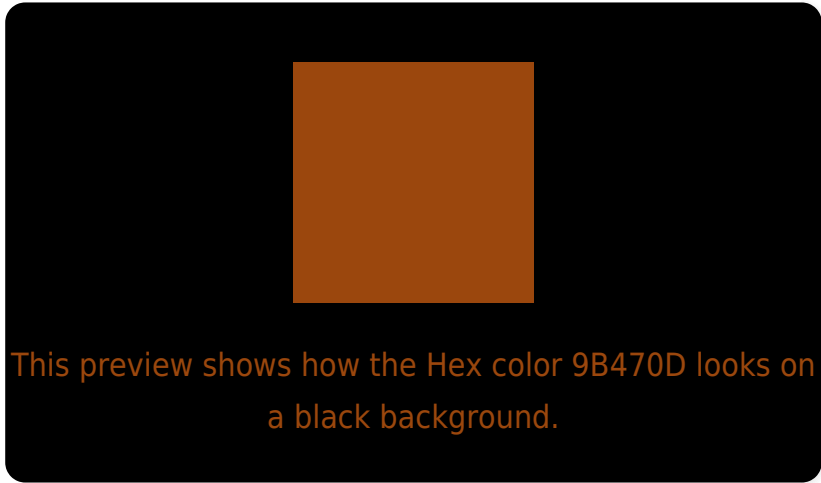
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 9B470D Background



This preview shows how black text looks on a background with the Hex color 9B470D.



This preview shows how white text looks on a background with the Hex color 9B470D.

# 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**  
9B470D

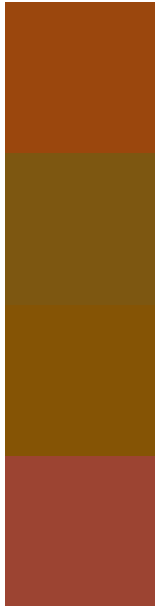
**Protanopia**  
6C6014

**Deuteranopia**  
795B00



**Tritanopia**  
9D4247

# Trichromacy



**Original Color**  
9B470D

**Protanomaly**  
7D5711

**Deuteranomaly**  
855405

**Tritanomaly**  
9C4432

# Monochromacy



**Original Color**  
9B470D

**Achromatopsia**  
5A5A5A

**Achromatomaly**  
72533E

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 9B470D 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 #9B470D looks like.

```
.text, #text, p{  
    color:#9B470D  
}
```

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 #9B470D colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #9B470D
}
```

## Border

The CSS property to change the border of an element to Hex 9B470D is called "border". The border property can be set on classes, ids or directly on the HTML element.

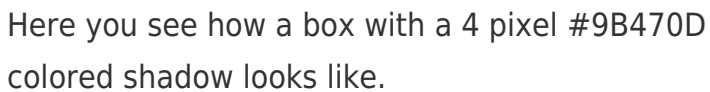
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#9B470D }
```

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

```
.border{ border-color:#9B470D }
```

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



Here you see how a box with a 4 pixel #9B470D colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #9B470D; -webkit-box-shadow:4px 4px  
4px 4px #9B470D; box-shadow:4px 4px 4px  
4px #9B470D }
```

# Background

The CSS property to change the background color of an element to Hex 9B470D is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#9B470D }
```

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

```
.background{ background-color:#9B470D }
```

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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