

# Converting Colors

Hex(9B301D)

Have a look what the booklet for  
Hex(9B301D) contains.

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**Color**

**Hex(9B301D)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9B301D
RGB	155, 48, 29
RGB Percent	61%, 19%, 11%
CMY	0.3922, 0.8118, 0.8863
CMYK	0.00, 0.69, 0.81, 0.39
HSL	9°, 68%, 36%
HSV	9°, 81%, 61%
XYZ	14.7963, 9.1712, 2.1528
YIQ	77.8270, 69.8710, 16.7750

# Conversions

## Conversions Part 2

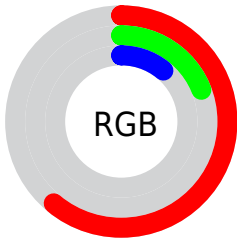
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	155, 51, 29
Decimal	10170397
CIE <sub>Lab</sub>	36.31, 43.49, 36.11
CIE <sub>LCh</sub>	36, 56.529, 39.704
Yxy	9.1712, 0.5665, 0.3511
Android (android.graphics.Color)	4288360477 (0xFF9B301D)
YUV	77.8270, -24.0717, 67.6807
Hunter-Lab	30.2839, 34.2156, 16.9841

# Details

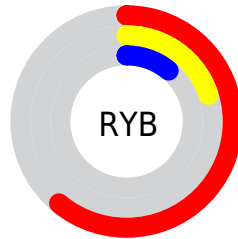
The Hex color **9B301D** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **1D889B**, and the grayscale version is **4E4E4E**.

A 20% lighter version of the original color is **D8644B**, and **600000** is the 20% darker color. If you saturate the color by 10%, you get **9B230E**, and if you desaturate by 10%, it is **9B3D2D**.

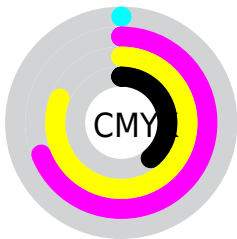
# Distribution



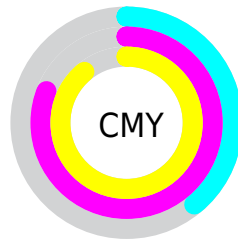
- Red (61%)
- Green (19%)
- Blue (11%)



- Red (61%)
- Yellow (20%)
- Blue (11%)



- Cyan (0%)
- Magenta (69%)
- Yellow (81%)
- Black (39%)



- Cyan (39%)
- Magenta (81%)
- Yellow (89%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 9B301D 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 9B301D by changing the saturation by 10% instead.



 9B301D

 9B301D

FFFFFF

 7D1306

 D8644B

 600000

 F77F63

 430000

 FF9A7C

 290001

 FFB596

 000000

 FFD2B1

 FFEFCD

 FFFFEE9

 9B301D

 9B301D

 9B230E

 9B3D2D

 9B1700

 9B4A3C

 9B574C

 9B655B

 9B726B

 9B7F7A

 9B8C8A

 9B9999

 9BA6A9

# Harmonies

## Analogous

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



A41B49



9B301D



814700

# Triad

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



9B301D



006734



0056B0

# Complementary

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



9B301D



1D889B

# 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.



0063AB



9B301D



006963

# Square

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



9B301D



266200



00688F



68419C

# Rectangle

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



9B301D



695300



00688F



005BB1



# Sweetspot

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



9B301D



C9A099



9B1D88



664D48



E6E6E6



666666



# Same Dimension

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



9B301D



C92204



9B6F1D



4D4645



8C1500



0D0200



# Inverse Universe

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



1D889B



04ACC9



1D499B



454B4D



00778C



000B0D



# Previews

## White Background



This preview shows how the Hex color 9B301D looks on a white background.

## Color Contrast Check

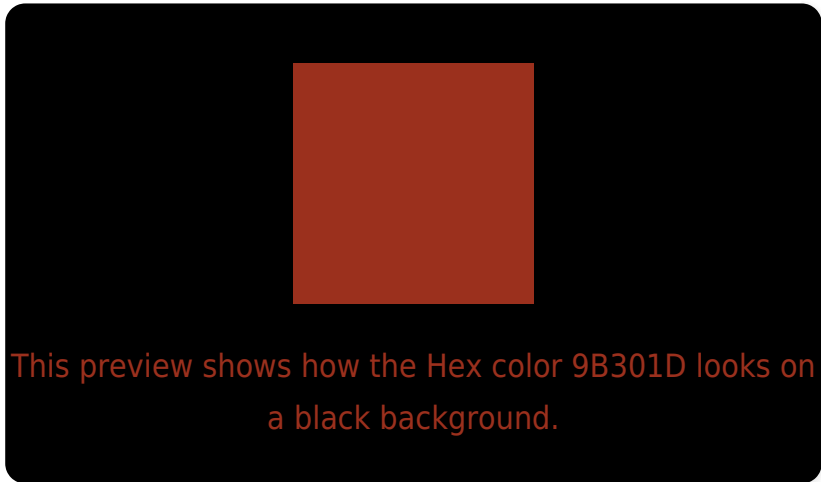
Large Text (above 18pt) WCAG AA ✓ Pass

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 9B301D Background



This preview shows how black text looks on a background with the Hex color 9B301D.



This preview shows how white text looks on a background with the Hex color 9B301D.

# 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**  
9B301D

**Protanopia**  
605727

**Deuteranopia**  
6D5213



**Tritanopia**  
9C2E30

# Trichromacy



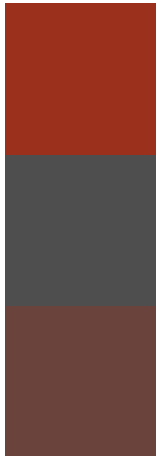
**Original Color**  
9B301D

**Protanomaly**  
754923

**Deuteranomaly**  
7E4617

**Tritanomaly**  
9C2F29

# Monochromacy



**Original Color**  
9B301D

**Achromatopsia**  
4E4E4E

**Achromatomaly**  
6A433C

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 9B301D 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 #9B301D looks like.

```
.text, #text, p{  
    color:#9B301D  
}
```

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 #9B301D colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #9B301D
}
```

## Border

The CSS property to change the border of an element to Hex 9B301D 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
#9B301D }
```

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

```
.border{ border-color:#9B301D }
```

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

Here you see how a box with a 4 pixel #9B301D colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #9B301D; -webkit-box-shadow:4px 4px  
4px 4px #9B301D; box-shadow:4px 4px 4px  
4px #9B301D }
```

# Background

The CSS property to change the background color of an element to Hex 9B301D is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#9B301D }
```

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

```
.background{ background-color:#9B301D }
```

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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