

# Converting Colors

Hex(9A3216)

Have a look what the booklet for  
Hex(9A3216) contains.

<b>Hex(9A3216)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

**Hex(9A3216)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9A3216
RGB	154, 50, 22
RGB Percent	60%, 20%, 9%
CMY	0.3961, 0.8039, 0.9137
CMYK	0.00, 0.68, 0.86, 0.40
HSL	13°, 75%, 35%
HSV	13°, 86%, 60%
XYZ	14.6118, 9.2092, 1.7665
YIQ	77.9040, 70.9720, 13.3400

# Conversions

## Conversions Part 2

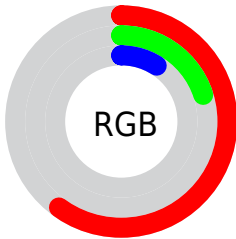
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	154, 58, 22
Decimal	10105366
CIE <sub>Lab</sub>	36.38, 42.06, 39.69
CIE <sub>LCh</sub>	36, 57.826, 43.339
Yxy	9.2092, 0.5711, 0.3599
Android (android.graphics.Color)	4288295446 (0xFF9A3216)
YUV	77.9040, -27.5607, 66.7362
Hunter-Lab	30.3466, 32.8410, 17.7914

# Details

The Hex color **9A3216** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **167E9A**, and the grayscale version is **4E4E4E**.

A 20% lighter version of the original color is **D76644**, and **5F0000** is the 20% darker color. If you saturate the color by 10%, you get **9A2607**, and if you desaturate by 10%, it is **9A3E25**.

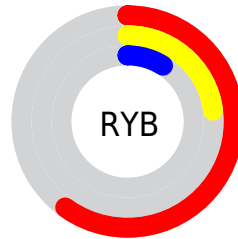
# Distribution



Red (60%)

Green (20%)

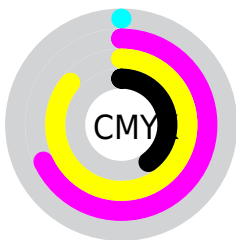
Blue (9%)



Red (60%)

Yellow (23%)

Blue (9%)

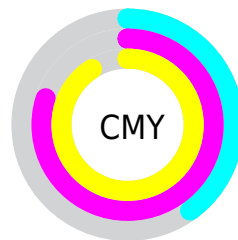


Cyan (0%)

Magenta (68%)

Yellow (86%)

Black (40%)



Cyan (40%)

Magenta (80%)

Yellow (91%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 9A3216 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 9A3216 by changing the saturation by 10% instead.



 9A3216

 9A3216

FFFFFF

 7C1600

 D76644

 5F0000

 F6805C

 420000

 FF9B75

 280001

 FFB78F

 000000

 FFD3AA

 FFF0C6

 FFFFE2

 9A3216

 9A3216

■ 9A2607

■ 9A3E25

■ 9A2100

■ 9A4A35

■ 9A5644

■ 9A6354

■ 9A6F63

■ 9A7B72

■ 9A8782

■ 9A9391

■ 9A9FA1

# Harmonies

## Analogous

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



A61943



9A3216



7D4A00

# Triad

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



9A3216



006839



0055B1

# Complementary

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



9A3216



167E9A

# 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.



0062AF



9A3216



006A6A

# Square

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



9A3216



196300



006895



703E9A

# Rectangle

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



9A3216



645500



006895



005AB3



# Sweetspot

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



9A3216



C9A095



9A1680



664D46



E6E6E6



666666



# Same Dimension

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



9A3216



C92B00



9A7216



4D4645



8C1E00



0D0300



# Inverse Universe

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



167E9A



009FC9



163E9A



454B4D



006F8C



000A0D



# Previews

## White Background



This preview shows how the Hex color 9A3216 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

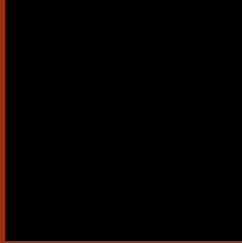
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 9A3216 Background



This preview shows how black text looks on a background with the Hex color 9A3216.



This preview shows how white text looks on a background with the Hex color 9A3216.

# 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**  
9A3216

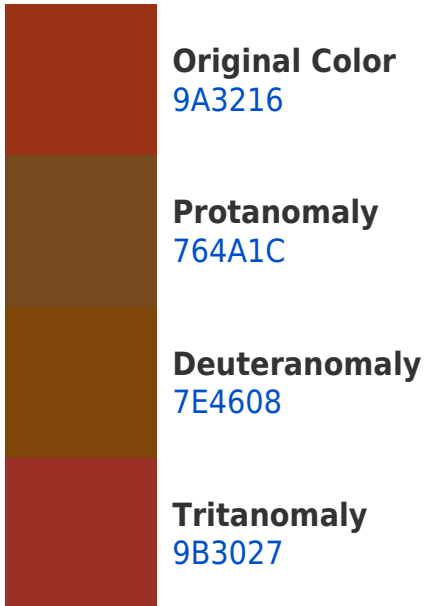
**Protanopia**  
61571F

**Deuteranopia**  
6E5200

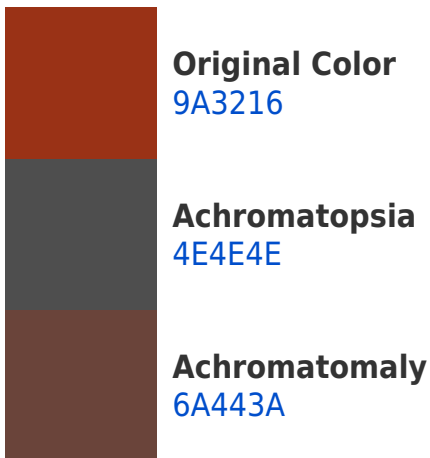


**Tritanopia**  
9B2F31

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 9A3216 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 #9A3216 looks like.

```
.text, #text, p{  
    color:#9A3216  
}
```

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 #9A3216 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #9A3216
}
```

## Border

The CSS property to change the border of an element to Hex 9A3216 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
#9A3216 }
```

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

```
.border{ border-color:#9A3216 }
```

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

Here you see how a box with a 4 pixel #9A3216 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #9A3216; -webkit-box-shadow:4px 4px  
4px 4px #9A3216; box-shadow:4px 4px 4px  
4px #9A3216 }
```

# Background

The CSS property to change the background color of an element to Hex 9A3216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#9A3216 }
```

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

```
.background{ background-color:#9A3216 }
```

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](#).



Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor