

# Converting Colors

Hex(9B8222)

Have a look what the booklet for  
Hex(9B8222) contains.

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**Color**

**Hex(9B8222)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9B8222
RGB	155, 130, 34
RGB Percent	61%, 51%, 13%
CMY	0.3922, 0.4902, 0.8667
CMYK	0.00, 0.16, 0.78, 0.39
HSL	48°, 64%, 37%
HSV	48°, 78%, 61%
XYZ	21.7889, 23.0493, 4.8139
YIQ	126.5310, 45.7160, -24.5560

# Conversions

## Conversions Part 2

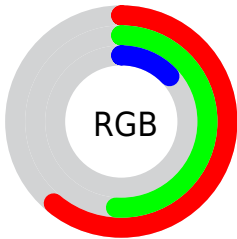
<b>Format</b>	<b>Color</b>
<b>RYB</b>	66, 155, 34
Decimal	10191394
CIELab	55.12, -0.55, 51.91
CIELCh	55, 51.909, 90.613
Yxy	23.0493, 0.4388, 0.4642
Android (android.graphics.Color)	4288381474 (0xFF9B8222)
YUV	126.5310, -45.6178, 24.9673
Hunter-Lab	48.0097, -3.0058, 27.6618

# Details

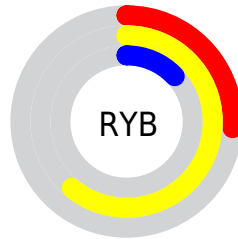
The Hex color **9B8222** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **223B9B**, and the grayscale version is **7F7F7F**.

A 20% lighter version of the original color is **D5B756**, and **645100** is the 20% darker color. If you saturate the color by 10%, you get **9B7F13**, and if you desaturate by 10%, it is **9B8531**.

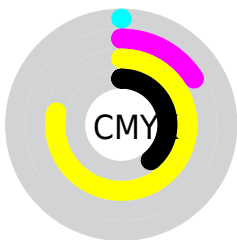
# Distribution



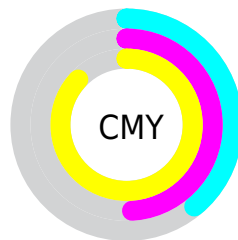
- Red (61%)
- Green (51%)
- Blue (13%)



- Red (26%)
- Yellow (61%)
- Blue (13%)



- Cyan (0%)
- Magenta (16%)
- Yellow (78%)
- Black (39%)



- Cyan (39%)
- Magenta (49%)
- Yellow (87%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 9B8222 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 9B8222 by changing the saturation by 10% instead.



 9B8222

 9B8222

FFFFFF

 7F6900

 D5B756

 645100

 F2D271

 493A00

 FFEE8B

 302500

 FFFFA6

 171100

 FFFFC2

 000000

 FFFFDF

 FFFFFC

 9B8222

 9B8222

■ 9B7F13

■ 9B8531

■ 9B7C03

■ 9B8841

■ 9B7B00

■ 9B8C50

■ 9B8F60

■ 9B926F

■ 9B957F

■ 9B988F

■ 9B9C9E

■ 9B9FAD

# Harmonies

## Analogous

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



BE7135



9B8222



6E8F31

# Triad

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



9B8222



0099B1



BB65B1

# Complementary

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



9B8222



223B9B

# 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.



8678D2



9B8222



0094D2

# Square

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



9B8222



009A84



0089DE



D45A85

# Rectangle

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



9B8222



479448



0089DE



AD6BBE



# Sweetspot

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



9B8222



C9C09B



9B223C



666049



E6E6E6



666666



# Same Dimension

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



9B8222



C9A20C



799B22



4D4B45



8C6F00



0D0A00



# Inverse Universe

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



223B9B



0C33C9



44229B



45464D



001D8C

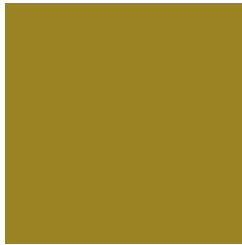


00030D



# Previews

## White Background



This preview shows how the Hex color 9B8222 looks on a white background.

## Color Contrast Check

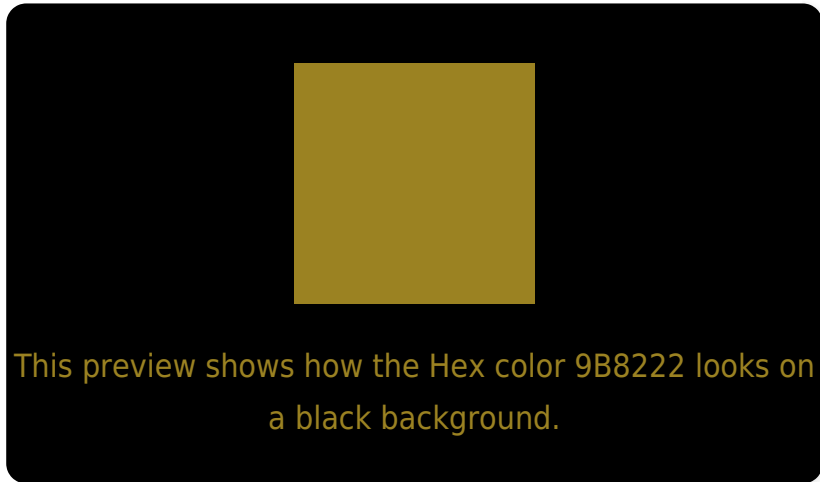
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black 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

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



## Hex 9B8222 Background



This preview shows how black text looks on a background with the Hex color 9B8222.



This preview shows how white text looks on a background with the Hex color 9B8222.

# 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**  
9B8222

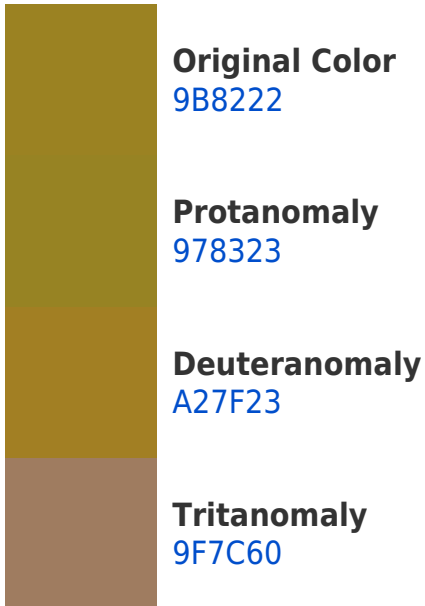
**Protanopia**  
948423

**Deuteranopia**  
A67D24

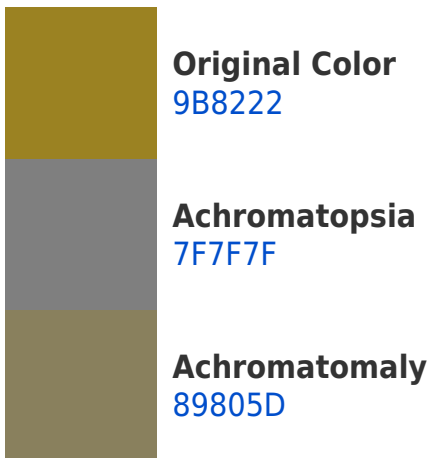


**Tritanopia**  
A27983

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 9B8222 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 #9B8222 looks like.

```
.text, #text, p{  
    color:#9B8222  
}
```

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 #9B8222 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #9B8222
}
```

## Border

The CSS property to change the border of an element to Hex 9B8222 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
#9B8222 }
```

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

```
.border{ border-color:#9B8222 }
```

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

Here you see how a box with a 4 pixel #9B8222 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #9B8222; -webkit-box-shadow:4px 4px  
4px 4px #9B8222; box-shadow:4px 4px 4px  
4px #9B8222 }
```

# Background

The CSS property to change the background color of an element to Hex 9B8222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#9B8222 }
```

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

```
.background{ background-color:#9B8222 }
```

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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