

# Converting Colors

Hex(9B8E33)

Have a look what the booklet for  
Hex(9B8E33) contains.

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**Color**

**Hex(9B8E33)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9B8E33
RGB	155, 142, 51
RGB Percent	61%, 56%, 20%
CMY	0.3922, 0.4431, 0.8000
CMYK	0.00, 0.08, 0.67, 0.39
HSL	53°, 50%, 40%
HSV	53°, 67%, 61%
XYZ	23.7881, 26.5536, 7.0036
YIQ	135.5130, 36.9590, -25.5450

# Conversions

## Conversions Part 2

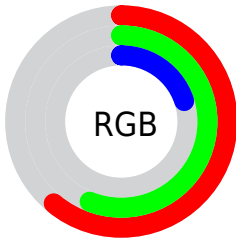
<b>Format</b>	<b>Color</b>
<b>RYB</b>	66, 155, 51
Decimal	10194483
CIELab	58.56, -6.28, 48.42
CIELCh	59, 48.821, 97.388
Yxy	26.5536, 0.4148, 0.4630
Android (android.graphics.Color)	4288384563 (0xFF9B8E33)
YUV	135.5130, -41.6649, 17.0901
Hunter-Lab	51.5302, -7.7760, 28.0129

# Details

The Hex color **9B8E33** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **33409B**, and the grayscale version is **888888**.

A 20% lighter version of the original color is **D4C366**, and **655C00** is the 20% darker color. If you saturate the color by 10%, you get **9B8C23**, and if you desaturate by 10%, it is **9B9043**.

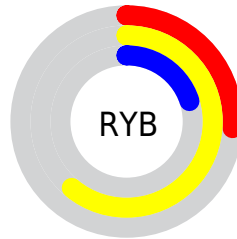
# Distribution



Red (61%)

Green (56%)

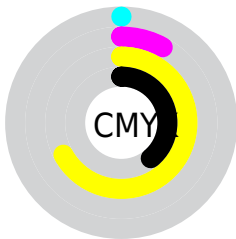
Blue (20%)



Red (26%)

Yellow (61%)

Blue (20%)

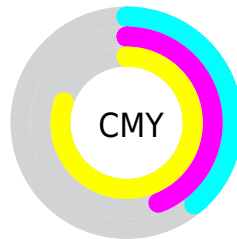


Cyan (0%)

Magenta (8%)

Yellow (67%)

Black (39%)



Cyan (39%)

Magenta (44%)

Yellow (80%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 9B8E33 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 9B8E33 by changing the saturation by 10% instead.





9B8E33



9B8E33

FFFFFF



7F7518



D4C366



655C00



F1DF80



4B4500



FFFC9B



312F00



FFFFB7



191A00



FFFFD3



000000



FFFFFF0



9B8E33



9B8E33



9B8C23



9B9043

■ 9B8A14

■ 9B9252

■ 9B8805

■ 9B9462

■ 9B8800

■ 9B9671

■ 9B9881

■ 9B9A90

■ 9B9CA0

■ 9B9DAF

■ 9B9FBE

# Harmonies

## Analogous

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



BF7F3D



9B8E33



6E9946

# Triad

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



9B8E33



00A1C0



C96DAF

# Complementary

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



9B8E33



33409B

# 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.



9E7DD1



9B8E33



009ADB

# Square

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



9B8E33



00A296



518EE2



DC6784

# Rectangle

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



9B8E33



469E5D



518EE2



BE72BC



# Sweetspot

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



9B8E33



C9C4A1



9B3341



66634E



E6E6E6



666666



# Same Dimension

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



9B8E33



C9B526



759B33



4D4C45



8C7B00



0D0B00



# Inverse Universe

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



33409B



263BC9



59339B



45464D



00128C



00020D



# Previews

## White Background



This preview shows how the Hex color 9B8E33 looks on a white background.

## Color Contrast Check

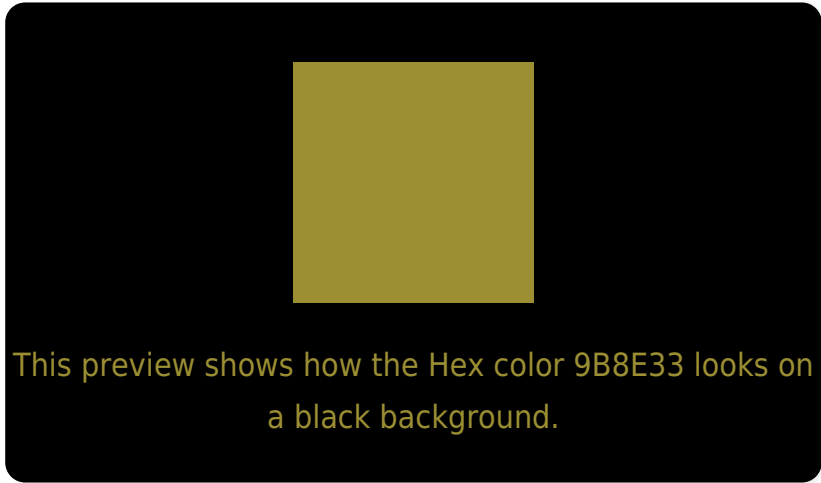
Large Text (above 18pt) WCAG AA ✓ Pass

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 9B8E33 Background



This preview shows how black text looks on a background with the Hex color 9B8E33.



This preview shows how white text looks on a background with the Hex color 9B8E33.

# 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**  
9B8E33

**Protanopia**  
9D8D33

**Deuteranopia**  
B08636

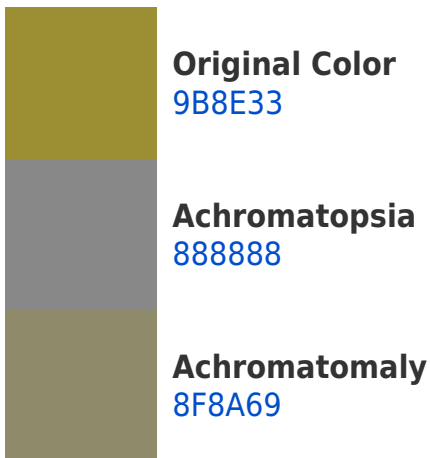


**Tritanopia**  
A3858F

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 9B8E33 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 #9B8E33 looks like.

```
.text, #text, p{  
    color:#9B8E33  
}
```

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 #9B8E33 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #9B8E33
}
```

## Border

The CSS property to change the border of an element to Hex 9B8E33 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
#9B8E33 }
```

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

```
.border{ border-color:#9B8E33 }
```

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

Here you see how a box with a 4 pixel #9B8E33 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #9B8E33; -webkit-box-shadow:4px 4px  
4px 4px #9B8E33; box-shadow:4px 4px 4px  
4px #9B8E33 }
```

# Background

The CSS property to change the background color of an element to Hex 9B8E33 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#9B8E33 }
```

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

```
.background{ background-color:#9B8E33 }
```

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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