

# Converting Colors

Hex(9D8B16)

Have a look what the booklet for  
Hex(9D8B16) contains.

<b>Hex(9D8B16)</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(9D8B16)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9D8B16
RGB	157, 139, 22
RGB Percent	62%, 55%, 9%
CMY	0.3843, 0.4549, 0.9137
CMYK	0.00, 0.11, 0.86, 0.38
HSL	52°, 75%, 35%
HSV	52°, 86%, 62%
XYZ	23.2821, 25.6913, 4.4909
YIQ	131.0440, 48.2850, -32.5710

# Conversions

## Conversions Part 2

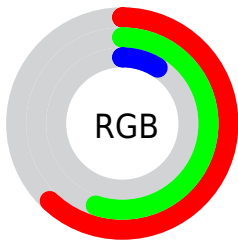
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	43, 157, 22
Decimal	10324758
CIE <sub>Lab</sub>	57.74, -5.01, 58.04
CIE <sub>LCh</sub>	58, 58.257, 94.934
Yxy	25.6913, 0.4355, 0.4805
Android (android.graphics.Color)	4288514838 (0xFF9D8B16)
YUV	131.0440, -53.7587, 22.7634
Hunter-Lab	50.6866, -6.7103, 30.2274

# Details

The Hex color **9D8B16** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **16289D**, and the grayscale version is **848484**.

A 20% lighter version of the original color is **D7C04F**, and **665900** is the 20% darker color. If you saturate the color by 10%, you get **9D8906**, and if you desaturate by 10%, it is **9D8D26**.

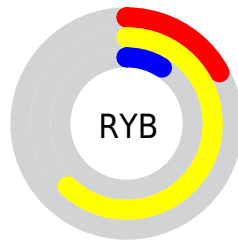
# Distribution



Red (62%)

Green (55%)

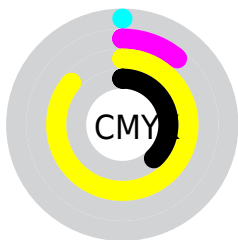
Blue (9%)



Red (17%)

Yellow (62%)

Blue (9%)

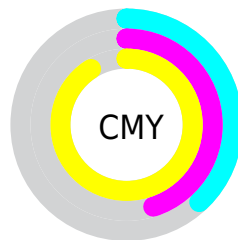


Cyan (0%)

Magenta (11%)

Yellow (86%)

Black (38%)



Cyan (38%)

Magenta (45%)

Yellow (91%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 9D8B16 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 9D8B16 by changing the saturation by 10% instead.



 9D8B16

 9D8B16

FFFFFF

 817200

 D7C04F

 665900

 F5DC6A

 4B4200

 FFF885

 312D00

 FFFFA0

 181800

 FFFFBC

 000000

 FFFFD9

 FFFFF6

 9D8B16

 9D8B16

 9D8906

 9D8D26

 9D8800

 9D8F35

 9D9145

 9D9355

 9D9565

 9D9874

 9D9A84

 9D9C94

 9D9EA3

# Harmonies

## Analogous

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



C6782B



9D8B16



689830

# Triad

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



9D8B16



00A2C4



CF64B7

# Complementary

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



9D8B16



16289D

# 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.



977ADF



9D8B16



009BE7

# Square

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



9D8B16



00A392



0B8EF0



E65984

# Rectangle

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



9D8B16



359E4D



0B8EF0



C06AC6



# Sweetspot

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



9D8B16



CCC597



9D1628



666246



E6E6E6



666666



# Same Dimension

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



9D8B16



CCB100



6E9D16



4F4E47



8F7C00



0F0D00



# Inverse Universe

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



16289D



001BCC



47169D



47484F



00138F



00020F



# Previews

## White Background



This preview shows how the Hex color 9D8B16 looks on a white background.

## Color Contrast Check

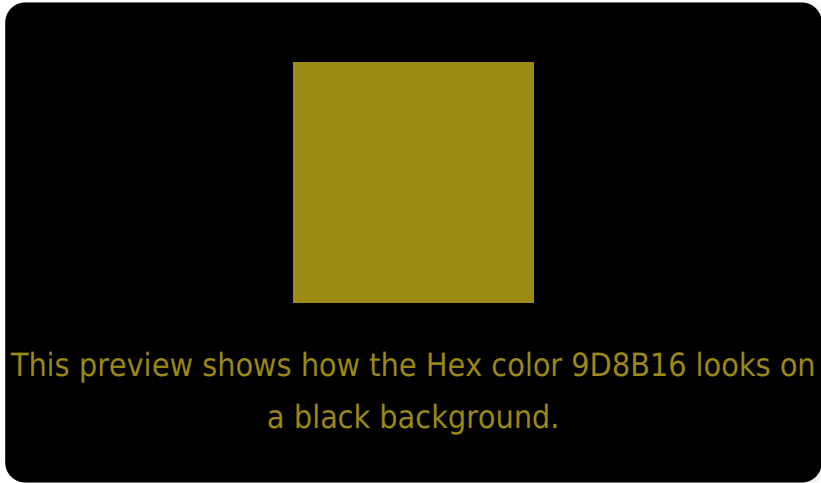
Large Text (above 18pt) WCAG AA ✓ Pass

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 9D8B16 Background



This preview shows how black text looks on a background with the Hex color 9D8B16.



This preview shows how white text looks on a background with the Hex color 9D8B16.

# 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**  
9D8B16

**Protanopia**  
9C8B16

**Deuteranopia**  
AF841B



**Tritanopia**  
A5818B

# Trichromacy



**Original Color**  
9D8B16

**Protanomaly**  
9C8B16

**Deuteranomaly**  
A88719

**Tritanomaly**  
A28560

# Monochromacy



**Original Color**  
9D8B16

**Achromatopsia**  
838383

**Achromatomaly**  
8C865B

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 9D8B16 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 #9D8B16 looks like.

```
.text, #text, p{  
    color:#9D8B16  
}
```

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 #9D8B16 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #9D8B16
}
```

## Border

The CSS property to change the border of an element to Hex 9D8B16 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
#9D8B16 }
```

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

```
.border{ border-color:#9D8B16 }
```

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

Here you see how a box with a 4 pixel #9D8B16 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #9D8B16; -webkit-box-shadow:4px 4px  
4px 4px #9D8B16; box-shadow:4px 4px 4px  
4px #9D8B16 }
```

# Background

The CSS property to change the background color of an element to Hex 9D8B16 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#9D8B16 }
```

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

```
.background{ background-color:#9D8B16 }
```

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