

# Converting Colors

Hex(9B870C)

Have a look what the booklet for  
Hex(9B870C) contains.

<b>Hex(9B870C)</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(9B870C)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9B870C
RGB	155, 135, 12
RGB Percent	61%, 53%, 5%
CMY	0.3922, 0.4706, 0.9529
CMYK	0.00, 0.13, 0.92, 0.39
HSL	52°, 86%, 33%
HSV	52°, 92%, 61%
XYZ	22.2479, 24.3231, 3.8701
YIQ	126.9580, 51.4030, -34.0130

# Conversions

## Conversions Part 2

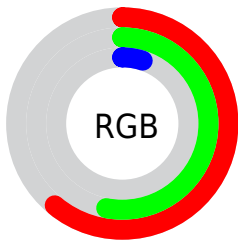
Format	Color
<b>R<sub>YB</sub></b>	35, 155, 12
Decimal	10192652
CIE Lab	56.41, -3.97, 59.09
CIE LCh	56, 59.219, 93.841
Yxy	24.3231, 0.4411, 0.4822
Android (android.graphics.Color)	4288382732 (0xFF9B870C)
YUV	126.9580, -56.6743, 24.5928
Hunter-Lab	49.3184, -5.7845, 29.8704

# Details

The Hex color **9B870C** is a dark color, and the websafe version is hex **999933**, and the color name is **dark yellow**. A complement of this color would be **0C209B**, and the grayscale version is **7F7F7F**.

A 20% lighter version of the original color is **D5BC4A**, and **645600** is the 20% darker color. If you saturate the color by 10%, you get **9B8500**, and if you desaturate by 10%, it is **9B891B**.

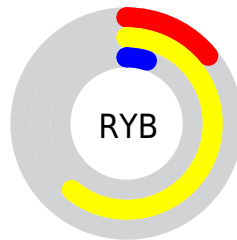
# Distribution



Red (61%)

Green (53%)

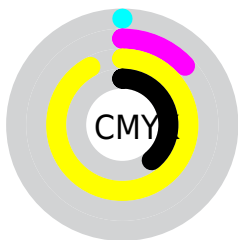
Blue (5%)



Red (14%)

Yellow (61%)

Blue (5%)

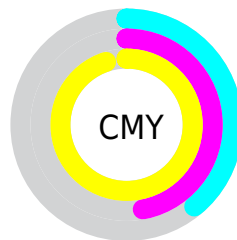


Cyan (0%)

Magenta (13%)

Yellow (92%)

Black (39%)



Cyan (39%)

Magenta (47%)

Yellow (95%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 9B870C 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 9B870C by changing the saturation by 10% instead.



 9B870C

 9B870C

FFFFFF

 7F6E00

 D5BC4A

 645600

 F3D864

 493F00

 FFF47F

 2F2900

 FFFF9B

 161500

 FFFFB6

 000000

 FFFFD3

 FFFFF0

 9B870C

 9B870C

■ 9B8500

■ 9B891B

■ 9B8B2B

■ 9B8E3A

■ 9B904A

■ 9B925A

■ 9B9469

■ 9B9678

■ 9B9888

■ 9B9B97

# Harmonies

## Analogous

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



C47426



9B870C



669529

# Triad

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



9B870C



009FBF



CA60B6

# Complementary

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



9B870C



0C209B

# 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.



9177DD



9B870C



0098E3

# Square

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



9B870C



009F8D



008BEE



E35483

# Rectangle

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



9B870C



329A47



008BEE



BB67C5



# Sweetspot

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



9B870C



C9C291



9B0C21



666143



E6E6E6



666666



# Same Dimension

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



9B870C



C9AD00



699B0C



4D4B45



8C7900



0D0B00



# Inverse Universe

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



0C209B



001CC9



3E0C9B



45464D



00148C

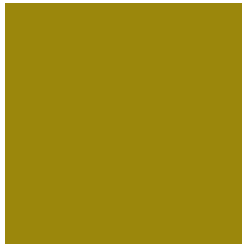


00020D



# Previews

## White Background



This preview shows how the Hex color 9B870C looks on a white background.

## Color Contrast Check

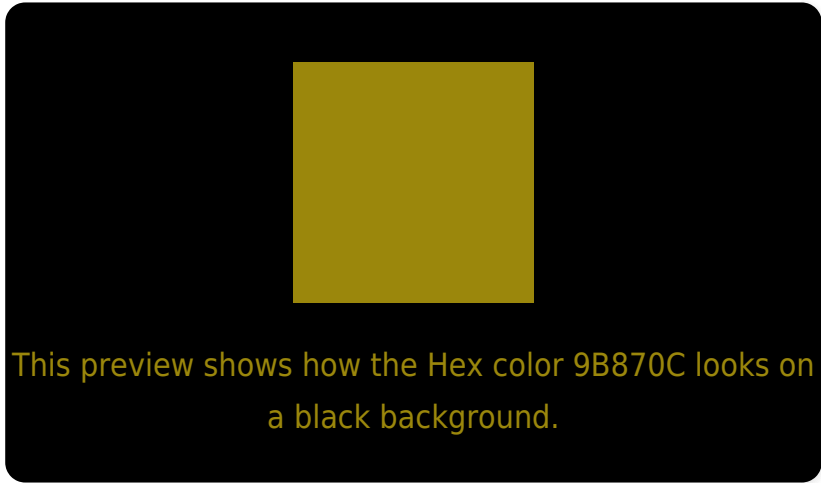
Large Text (above 18pt) WCAG AA ✓ Pass

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 9B870C Background



This preview shows how black text looks on a background with the Hex color 9B870C.



This preview shows how white text looks on a background with the Hex color 9B870C.

# 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**  
9B870C

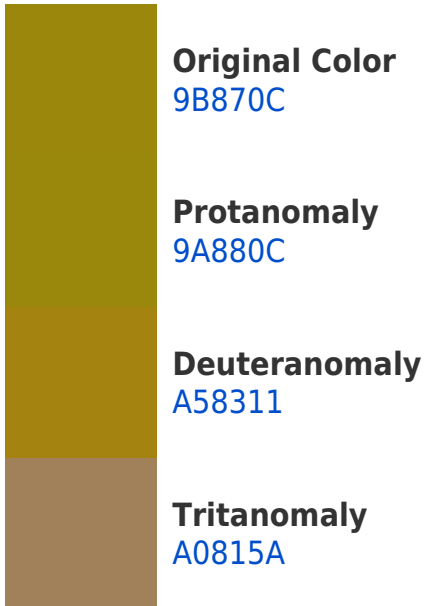
**Protanopia**  
99880C

**Deuteranopia**  
AB8014

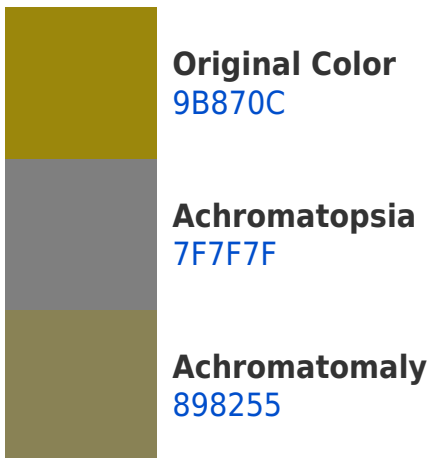


**Tritanopia**  
A37E87

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 9B870C 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 #9B870C looks like.

```
.text, #text, p{  
    color:#9B870C  
}
```

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 #9B870C colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #9B870C
}
```

## Border

The CSS property to change the border of an element to Hex 9B870C 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
#9B870C }
```

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

```
.border{ border-color:#9B870C }
```

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

Here you see how a box with a 4 pixel #9B870C colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #9B870C; -webkit-box-shadow:4px 4px  
4px 4px #9B870C; box-shadow:4px 4px 4px  
4px #9B870C }
```

# Background

The CSS property to change the background color of an element to Hex 9B870C is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#9B870C }
```

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

```
.background{ background-color:#9B870C }
```

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