

# Converting Colors

Hex(9B8110)

Have a look what the booklet for  
Hex(9B8110) contains.

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**Color**

**Hex(9B8110)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9B8110
RGB	155, 129, 16
RGB Percent	61%, 51%, 6%
CMY	0.3922, 0.4941, 0.9373
CMYK	0.00, 0.17, 0.90, 0.39
HSL	49°, 81%, 34%
HSV	49°, 90%, 61%
XYZ	21.4614, 22.7065, 3.7419
YIQ	123.8920, 51.7690, -29.6310

# Conversions

## Conversions Part 2

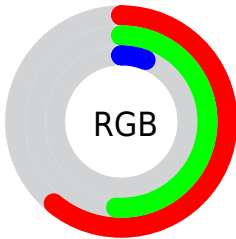
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	48, 155, 16
Decimal	10191120
CIE <sub>Lab</sub>	54.77, -0.57, 56.99
CIE <sub>LCh</sub>	55, 56.994, 90.572
Yxy	22.7065, 0.4480, 0.4739
Android (android.graphics.Color)	4288381200 (0xFF9B8110)
YUV	123.8920, -53.1908, 27.2817
Hunter-Lab	47.6513, -2.9964, 28.7001

# Details

The Hex color **9B8110** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **102A9B**, and the grayscale version is **7C7C7C**.

A 20% lighter version of the original color is **D5B64A**, and **645000** is the 20% darker color. If you saturate the color by 10%, you get **9B7E01**, and if you desaturate by 10%, it is **9B8420**.

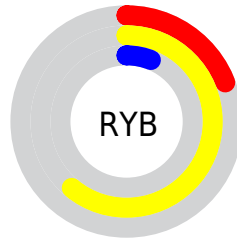
# Distribution



Red (61%)

Green (51%)

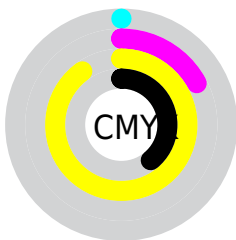
Blue (6%)



Red (19%)

Yellow (61%)

Blue (6%)

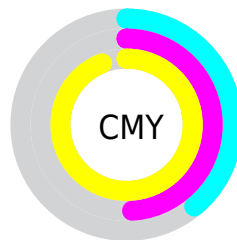


Cyan (0%)

Magenta (17%)

Yellow (90%)

Black (39%)



Cyan (39%)

Magenta (49%)

Yellow (94%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 9B8110 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 9B8110 by changing the saturation by 10% instead.



 9B8110

 9B8110

FFFFFF

 7F6800

 D5B64A

 645000

 F3D165

 483A00

 FFED80

 2F2400

 FFFF9B

 151000

 FFFFB7

 000000

 FFFFD3

 FFFFF0

 9B8110

 9B8110

■ 9B7E01

■ 9B8420

■ 9B7E00

■ 9B872F

■ 9B8A3F

■ 9B8D4E

■ 9B8F5E

■ 9B926D

■ 9B957C

■ 9B988C

■ 9B9B9B

# Harmonies

## Analogous

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



C16E2B



9B8110



6A8F25

# Triad

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



9B8110



009AB4



BF60B4

# Complementary

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



9B8110



102A9B

# 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.



8476D8



9B8110



0094D9

# Square

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



9B8110



009A83



0088E6



DA5384

# Rectangle

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



9B8110



3D9541



0088E6



AF67C2



# Sweetspot

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



9B8110



C9BF93



9B102C



666045



E6E6E6



666666



# Same Dimension

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



9B8110



C9A400



719B10



4D4B45



8C7200



0D0A00



# Inverse Universe

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



102A9B



0026C9



3A109B



45464D



001A8C

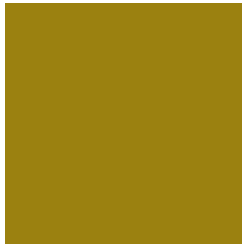


00020D



# Previews

## White Background



This preview shows how the Hex color 9B8110 looks on a white background.

## Color Contrast Check

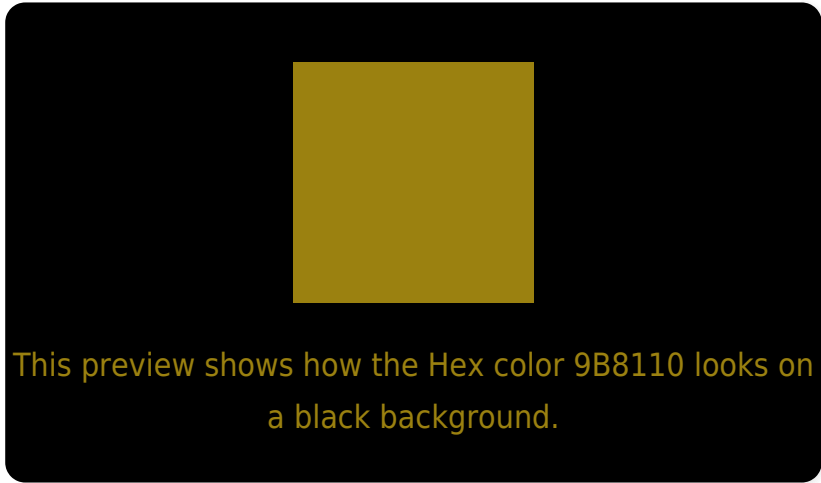
Large Text (above 18pt) WCAG AA ✓ Pass

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 9B8110 Background



This preview shows how black text looks on a background with the Hex color 9B8110.



This preview shows how white text looks on a background with the Hex color 9B8110.

# 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**

9B8110

**Protanopia**

948411

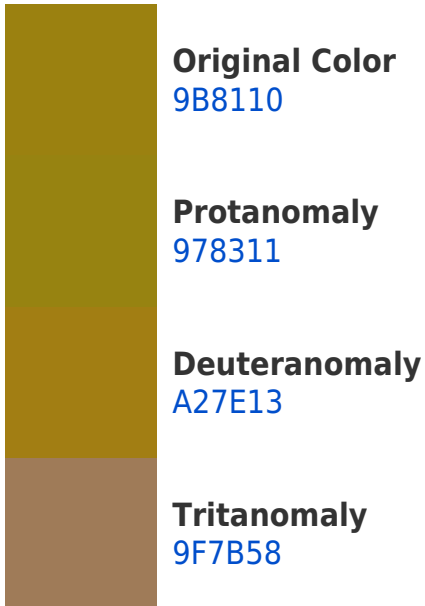
**Deuteranopia**

A67C14

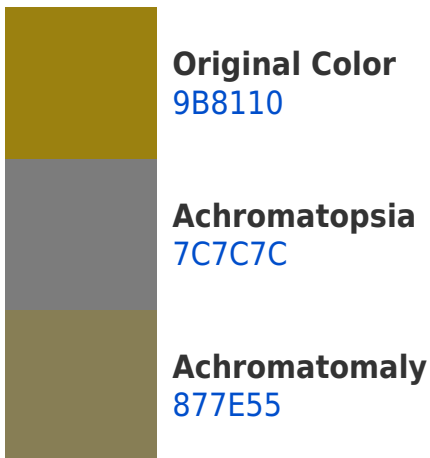


**Tritanopia**  
A27881

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 9B8110 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 #9B8110 looks like.

```
.text, #text, p{  
    color:#9B8110  
}
```

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 #9B8110 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #9B8110  
}
```

## Border

The CSS property to change the border of an element to Hex 9B8110 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  
#9B8110 }
```

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

```
.border{ border-color:#9B8110 }
```

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

Here you see how a box with a 4 pixel #9B8110 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #9B8110; -webkit-box-shadow:4px 4px  
4px 4px #9B8110; box-shadow:4px 4px 4px  
4px #9B8110 }
```

# Background

The CSS property to change the background color of an element to Hex 9B8110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#9B8110 }
```

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

```
.background{ background-color:#9B8110 }
```

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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