

# Converting Colors

Hex(CC9838)

Have a look what the booklet for  
Hex(CC9838) contains.

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# **Color**

**Hex(CC9838)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CC9838
RGB	204, 152, 56
RGB Percent	80%, 60%, 22%
CMY	0.2000, 0.4039, 0.7804
CMYK	0.00, 0.25, 0.73, 0.20
HSL	39°, 59%, 51%
HSV	39°, 73%, 80%
XYZ	36.8439, 35.5794, 8.6670
YIQ	156.6040, 61.8080, -18.8320

# Conversions

## Conversions Part 2

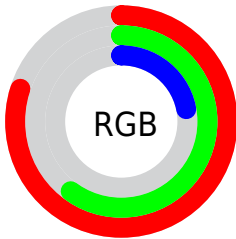
<b>Format</b>	<b>Color</b>
<b>RYB</b>	136, 204, 56
Decimal	13408312
CIELab	66.20, 10.27, 55.69
CIELCh	66, 56.625, 79.551
Yxy	35.5794, 0.4544, 0.4388
Android (android.graphics.Color)	4291598392 (0xFFCC9838)
YUV	156.6040, -49.5978, 41.5663
Hunter-Lab	59.6484, 5.8718, 33.1390

# Details

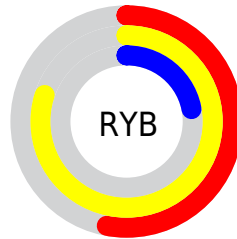
The Hex color **CC9838** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **386CCC**, and the grayscale version is **9D9D9D**.

A 20% lighter version of the original color is **FFCE6C**, and **916500** is the 20% darker color. If you saturate the color by 10%, you get **CC9124**, and if you desaturate by 10%, it is **CC9F4C**.

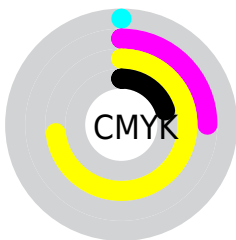
# Distribution



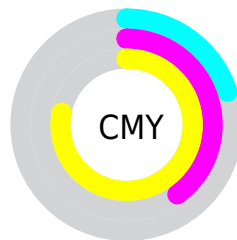
- Red (80%)
- Green (60%)
- Blue (22%)



- Red (53%)
- Yellow (80%)
- Blue (22%)



- Cyan (0%)
- Magenta (25%)
- Yellow (73%)
- Black (20%)



- Cyan (20%)
- Magenta (40%)
- Yellow (78%)

# Brightness & Saturation Gradients

These gradients show how the Hex color CC9838 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 CC9838 by changing the saturation by 10% instead.



 CC9838

 CC9838

FFFFFF

 AE7E1C

 FFCE6C

 916500

 FFEA87

 754D00

 FFFFA2

 593700

 FFFFBE

 3E2200

 FFFFDB

 250D00

 FFFFF8

 000000

 CC9838

 CC9838

 CC9124

 CC9F4C

 CC8A0F

 CCA661

 CC8400

 CCAE75

 CCB58A

 CCBC9E

 CCC3B2

 CCCAC7

 CCD1DB

 CCD9F0

# Harmonies

## Analogous

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



EF8455



CC9838



9DA83A

# Triad

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



CC9838



00BAC1



CD86E3

# Complementary

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



CC9838



386CCC

# 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.



849BFF



CC9838



00B6ED

# Square

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



CC9838



00B98D



00ACFF



F576B5

# Rectangle

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



CC9838



77B04E



00ACFF



B98DF0

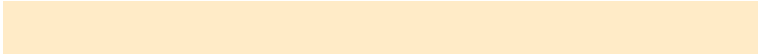


# Sweetspot

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



CC9838



FFEBC7



CC386E



80745E



000000



808080



# Same Dimension

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



CC9838



FFB121



B8CC38



66625C



A66C00



261900



# Inverse Universe

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



386CCC



216FFF



4C38CC



5C5F66



003AA6



000D26



# Previews

## White Background



This preview shows how the Hex color CC9838 looks on a white background.

## Color Contrast Check

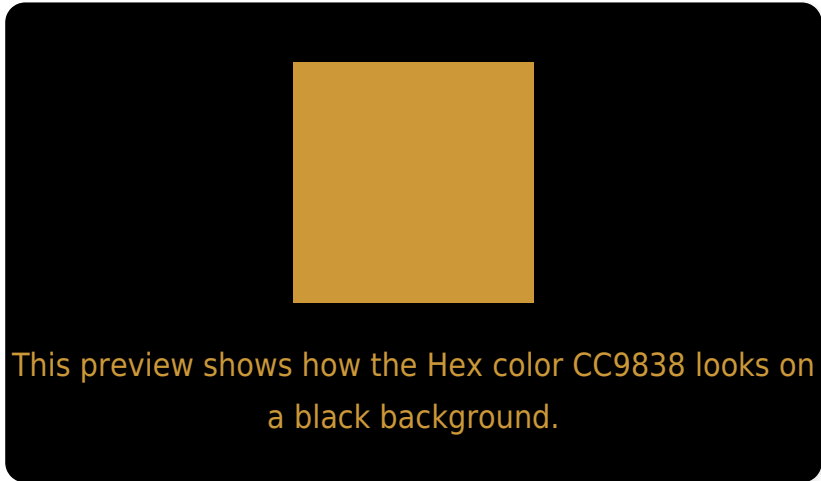
Large Text (above 18pt) WCAG AA × Fail

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 ✓ Pass

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



## Hex CC9838 Background



This preview shows how black text looks on a background with the Hex color CC9838.



This preview shows how white text looks on a background with the Hex color CC9838.

# 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**  
CC9838

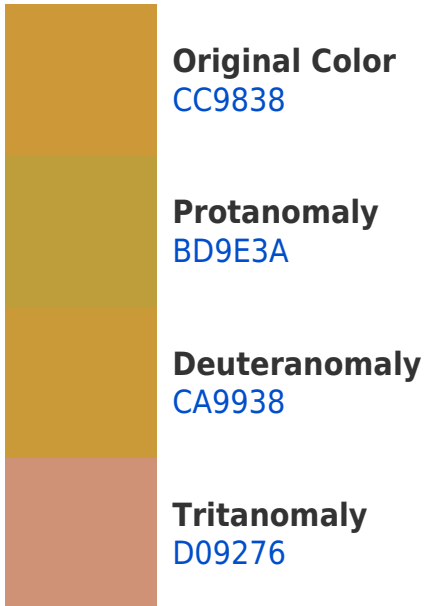
**Protanopia**  
B4A23B

**Deuteranopia**  
C99938



**Tritanopia**  
D38E99

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex CC9838 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 #CC9838 looks like.

```
.text, #text, p{  
    color:#CC9838  
}
```

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 #CC9838 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #CC9838
}
```

## Border

The CSS property to change the border of an element to Hex CC9838 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
#CC9838 }
```

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

```
.border{ border-color:#CC9838 }
```

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

Here you see how a box with a 4 pixel #CC9838 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #CC9838; -webkit-box-shadow:4px 4px  
4px 4px #CC9838; box-shadow:4px 4px 4px  
4px #CC9838 }
```

# Background

The CSS property to change the background color of an element to Hex CC9838 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#CC9838 }
```

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

```
.background{ background-color:#CC9838 }
```

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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