

# Converting Colors

Hex(9CAA44)

Have a look what the booklet for  
Hex(9CAA44) contains.

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**Color**

**Hex(9CAA44)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9CAA44
RGB	156, 170, 68
RGB Percent	61%, 67%, 27%
CMY	0.3882, 0.3333, 0.7333
CMYK	0.08, 0.00, 0.60, 0.33
HSL	68°, 43%, 47%
HSV	68°, 60%, 67%
XYZ	29.1284, 36.2347, 10.9276
YIQ	154.1860, 24.3980, -34.6900

# Conversions

## Conversions Part 2

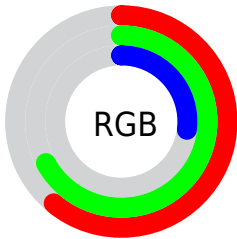
Format	Color
<b>RYB</b>	68, 170, 82
Decimal	10267204
CIELab	66.70, -19.36, 49.64
CIElCh	67, 53.282, 111.303
Yxy	36.2347, 0.3818, 0.4750
Android (android.graphics.Color)	4288457284 (0xFF9CAA44)
YUV	154.1860, -42.4897, 1.5909
Hunter-Lab	60.1953, -18.9659, 31.3734

# Details

The Hex color **9CAA44** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **5244AA**, and the grayscale version is **9B9B9B**.

A 20% lighter version of the original color is **D5E178**, and **66760B** is the 20% darker color. If you saturate the color by 10%, you get **9AAA33**, and if you desaturate by 10%, it is **9EAA55**.

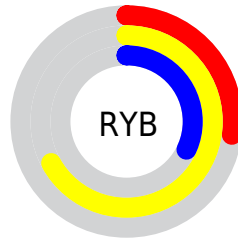
# Distribution



Red (61%)

Green (67%)

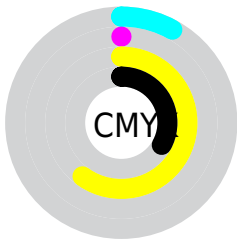
Blue (27%)



Red (27%)

Yellow (67%)

Blue (32%)

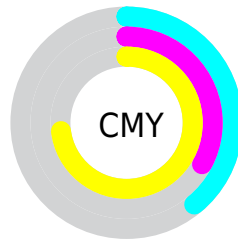


Cyan (8%)

Magenta (0%)

Yellow (60%)

Black (33%)



Cyan (39%)

Magenta (33%)

Yellow (73%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 9CAA44 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 9CAA44 by changing the saturation by 10% instead.





9CAA44



9CAA44

FFFFFF



81902A



D5E178



66760B



F2FE93



4C5D00



FFFFAE



334600



FFFFCA



192F00



FFFEE7



001C00



000000



9CAA44



9CAA44



9AAA33



9EAA55

■ 97AA22

■ A1AA66

■ 95AA11

■ A3AA77

■ 93AA00

■ A5AA88

■ A8AA99

■ AAAAAA

■ ACAABB

■ AFAACC

■ B1AADD

# Harmonies

## Analogous

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



C99B40



9CAA44



63B464

# Triad

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



9CAA44



00B6EC



F37AB2

# Complementary

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



9CAA44



5244AA

# 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.



D088DF



9CAA44



00ACFF

# Square

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



9CAA44



00BAC4



8E9BFC



FB7B82

# Rectangle

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



9CAA44



20B882



8E9BFC



EB7DC2



# Sweetspot

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



9CAA44



D8DEB6



AA5244



6D7058



F0F0F0



707070



# Same Dimension

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



9CAA44



C8DE3E



69AA44



53544C



809400



121400



# Inverse Universe

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



5244AA



543EDE



8544AA



4D4C54



140094



030014



# Previews

## White Background



This preview shows how the Hex color 9CAA44 looks on a white background.

## Color Contrast Check

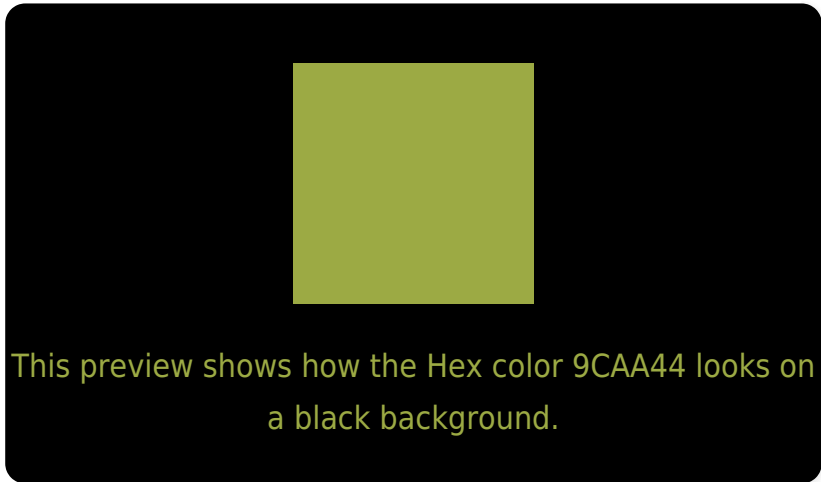
Large Text (above 18pt) WCAG AA × Fail

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 9CAA44 Background



This preview shows how black text looks on a background with the Hex color 9CAA44.

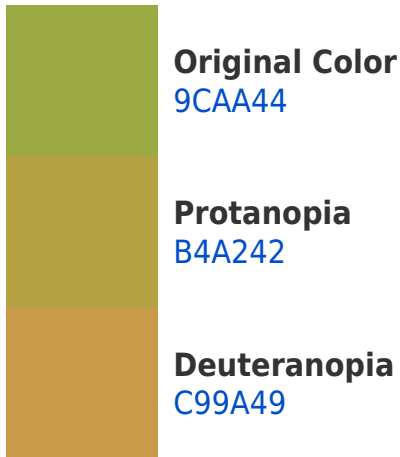


This preview shows how white text looks on a background with the Hex color 9CAA44.

# 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](#).

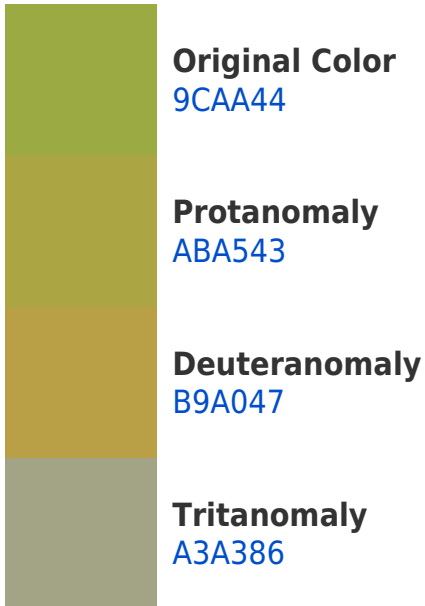
## Dichromacy



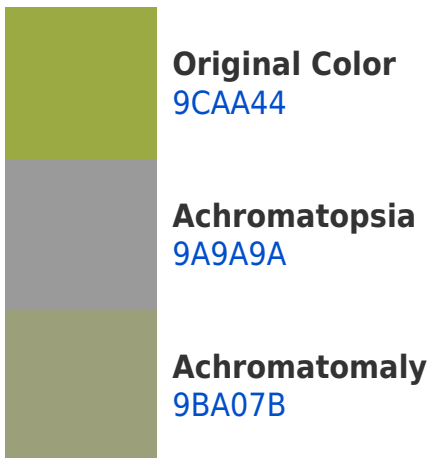


**Tritanopia**  
A79FAC

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 9CAA44 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 #9CAA44 looks like.

```
.text, #text, p{  
    color:#9CAA44  
}
```

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 #9CAA44 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #9CAA44
}
```

## Border

The CSS property to change the border of an element to Hex 9CAA44 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
#9CAA44 }
```

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

```
.border{ border-color:#9CAA44 }
```

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

Here you see how a box with a 4 pixel #9CAA44 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #9CAA44; -webkit-box-shadow:4px 4px  
4px 4px #9CAA44; box-shadow:4px 4px 4px  
4px #9CAA44 }
```

# Background

The CSS property to change the background color of an element to Hex 9CAA44 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#9CAA44 }
```

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

```
.background{ background-color:#9CAA44 }
```

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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