

# Converting Colors

Hex(9CA946)

Have a look what the booklet for  
Hex(9CA946) contains.

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**Color**

**Hex(9CA946)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9CA946
RGB	156, 169, 70
RGB Percent	61%, 66%, 27%
CMY	0.3882, 0.3373, 0.7255
CMYK	0.08, 0.00, 0.59, 0.34
HSL	68°, 41%, 47%
HSV	68°, 59%, 66%
XYZ	29.0038, 35.8861, 11.1924
YIQ	153.8270, 24.0310, -33.5450

# Conversions

## Conversions Part 2

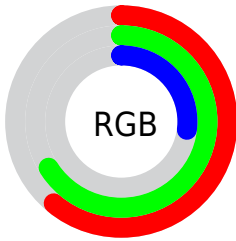
Format	Color
<a href="#">RYB</a>	<a href="#">70, 169, 83</a>
Decimal	<a href="#">10266950</a>
CIELab	<a href="#">66.43, -18.69, 48.44</a>
CIELCh	<a href="#">66, 51.919, 111.102</a>
Yxy	<a href="#">35.8861, 0.3812, 0.4717</a>
Android (android.graphics.Color)	<a href="#">4288457030</a> ( <a href="#">0xFF9CA946</a> )
YUV	<a href="#">153.8270, -41.3267, 1.9057</a>
Hunter-Lab	<a href="#">59.9050, -18.4106, 30.8560</a>

# Details

The Hex color **9CA946** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **5346A9**, and the grayscale version is **9A9A9A**.

A 20% lighter version of the original color is **D4E07A**, and **66750F** is the 20% darker color. If you saturate the color by 10%, you get **9AA935**, and if you desaturate by 10%, it is **9EA957**.

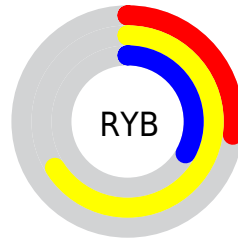
# Distribution



Red (61%)

Green (66%)

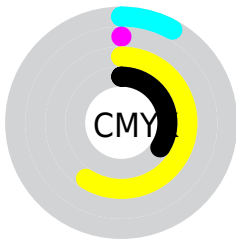
Blue (27%)



Red (27%)

Yellow (66%)

Blue (33%)

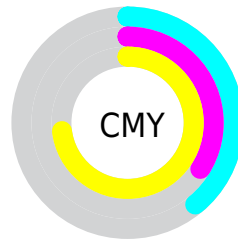


Cyan (8%)

Magenta (0%)

Yellow (59%)

Black (34%)



Cyan (39%)

Magenta (34%)

Yellow (73%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 9CA946 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 9CA946 by changing the saturation by 10% instead.



 9CA946

 9CA946

FFFFFF

 818F2C

 D4E07A

 66750F

 F2FD95

 4C5C00

 FFFF80

 344500

 FFFF66

 1A2F00

 FFFF33

 001B00

 000000

 9CA946

 9CA946

 9AA935

 9EA957

98A924

A0A968

95A913

A3A979

93A902

A5A98A

93A900

A7A99A

A9A9AB

ACA9BC

AEA9CD

B0A9DE

# Harmonies

## Analogous

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



C89A42



9CA946



64B365

# Triad

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



9CA946



00B5E9



F07BB1

# Complementary

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



9CA946



5346A9

# 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.



CD88DD



9CA946



00ABFD

# Square

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



9CA946



00B9C2



8D9BF9



F87B83

# Rectangle

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



9CA946



29B782



8D9BF9



E87EC1



# Sweetspot

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



9CA946



D6DBB4



A95246



6A6E56



EDEDED



6E6E6E



# Same Dimension

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



9CA946



C7DB42



6CA946



53544C



809400



121400



# Inverse Universe

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



5346A9



5642DB



8346A9



4D4C54



130094



030014



# Previews

## White Background



This preview shows how the Hex color 9CA946 looks on a white background.

## Color Contrast Check

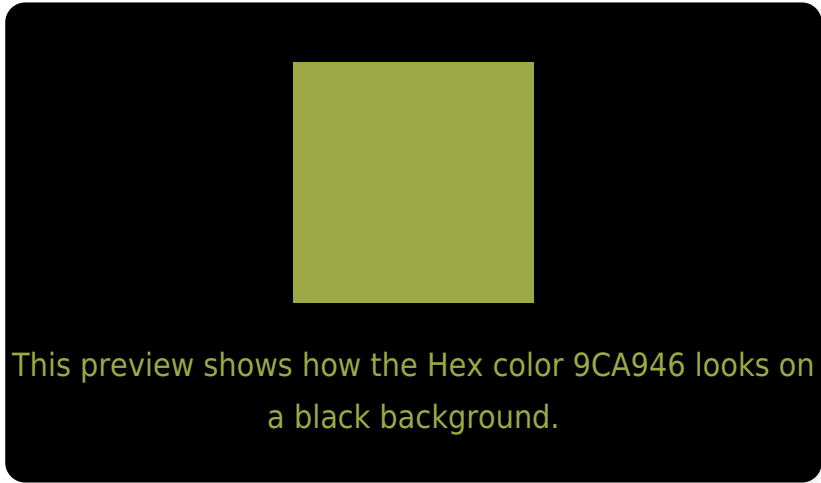
Large Text (above 18pt) WCAG AA × Fail

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 9CA946 Background



This preview shows how black text looks on a background with the Hex color 9CA946.



This preview shows how white text looks on a background with the Hex color 9CA946.

# 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**  
9CA946

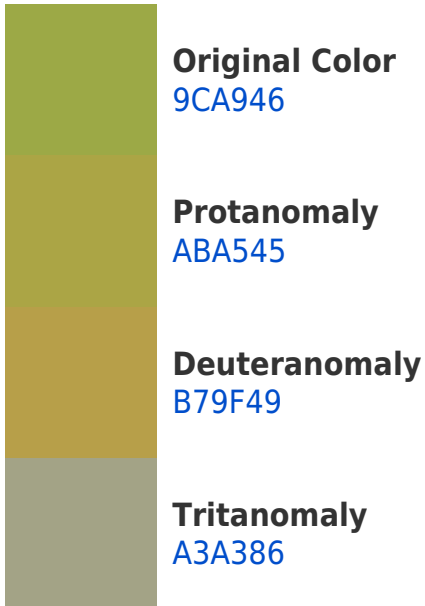
**Protanopia**  
B3A244

**Deuteranopia**  
C79A4A

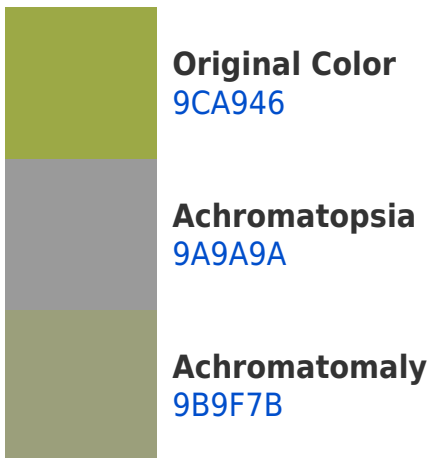


**Tritanopia**  
A79FAB

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 9CA946 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 #9CA946 looks like.

```
.text, #text, p{  
    color:#9CA946  
}
```

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 #9CA946 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #9CA946
}
```

## Border

The CSS property to change the border of an element to Hex 9CA946 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
#9CA946 }
```

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

```
.border{ border-color:#9CA946 }
```

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

Here you see how a box with a 4 pixel #9CA946 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #9CA946; -webkit-box-shadow:4px 4px  
4px 4px #9CA946; box-shadow:4px 4px 4px  
4px #9CA946 }
```

# Background

The CSS property to change the background color of an element to Hex 9CA946 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#9CA946 }
```

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

```
.background{ background-color:#9CA946 }
```

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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