

# Converting Colors

Hex(9EA450)

Have a look what the booklet for  
Hex(9EA450) contains.

<b>Hex(9EA450)</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(9EA450)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9EA450
RGB	158, 164, 80
RGB Percent	62%, 64%, 31%
CMY	0.3804, 0.3569, 0.6863
CMYK	0.04, 0.00, 0.51, 0.36
HSL	64°, 34%, 48%
HSV	64°, 51%, 64%
XYZ	28.8240, 34.3992, 12.7099
YIQ	152.6300, 23.3880, -27.3960

# Conversions

## Conversions Part 2

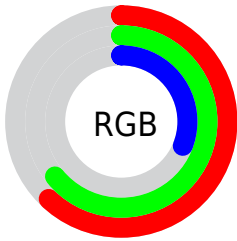
<b>Format</b>	<b>Color</b>
<b>RYB</b>	80, 164, 86
Decimal	10396752
CIELab	65.28, -14.41, 42.39
CIELCh	65, 44.774, 108.778
Yxy	34.3992, 0.3796, 0.4530
Android (android.graphics.Color)	4288586832 (0xFF9EA450)
YUV	152.6300, -35.8066, 4.7095
Hunter-Lab	58.6508, -14.9151, 28.2071

# Details

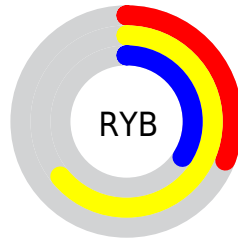
The Hex color **9EA450** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **5650A4**, and the grayscale version is **999999**.

A 20% lighter version of the original color is **D6DB83**, and **69701E** is the 20% darker color. If you saturate the color by 10%, you get **9DA440**, and if you desaturate by 10%, it is **9FA460**.

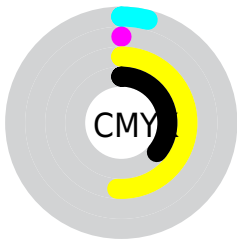
# Distribution



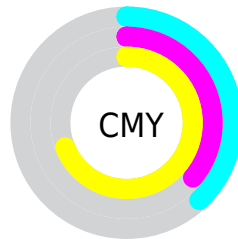
- Red (62%)
- Green (64%)
- Blue (31%)



- Red (31%)
- Yellow (64%)
- Blue (34%)



- Cyan (4%)
- Magenta (0%)
- Yellow (51%)
- Black (36%)



- Cyan (38%)
- Magenta (36%)
- Yellow (69%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 9EA450 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 9EA450 by changing the saturation by 10% instead.





9EA450



9EA450

FFFFFF



838A37



D6DB83



69701E



F3F79E



4F5800



FFFFBA



374100



FFFFD6



1E2B00



FFFFF2



001800



000000



9EA450



9EA450



9DA440



9FA460

 9CA42F

 A0A471

 9AA41F

 A2A481

 99A40E

 A3A492

 98A400

 A4A4A2

 A5A4B2

 A6A4C3

 A7A4D3

 A9A4E4

# Harmonies

## Analogous

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



C4974F



9EA450



70AD68

# Triad

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



9EA450



00B0DA



E27FAF

# Complementary

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



9EA450



5650A4

# 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.



C18AD4



9EA450



31A7ED

# Square

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



9EA450



00B3B7



8A9AEA



EB7E87

# Rectangle

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



9EA450



49B180



8A9AEA



D982BC



# Sweetspot

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



9EA450



D4D6B6



A45650



6A6B58



EBEBEB



6B6B6B



# Same Dimension

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



9EA450



CDD654



74A450



515249



879100



111200



# Inverse Universe

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



5650A4



5D54D6



8050A4



4A4952



0A0091



010012



# Previews

## White Background



This preview shows how the Hex color 9EA450 looks on a white background.

## Color Contrast Check

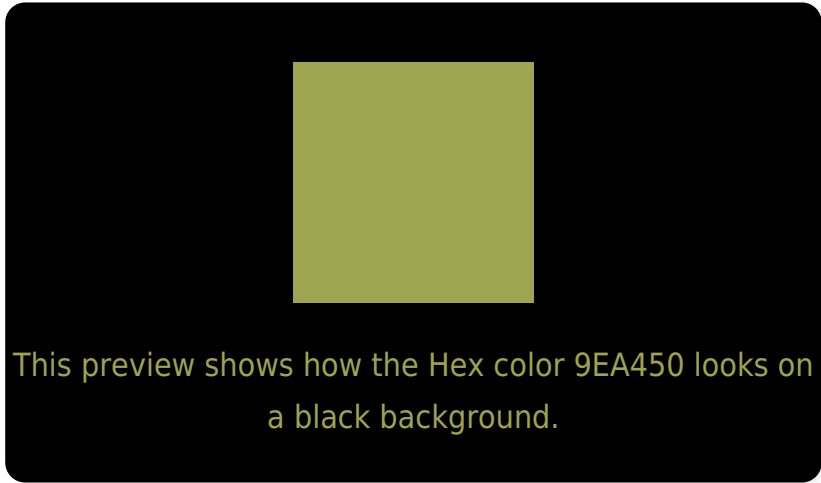
Large Text (above 18pt) WCAG AA × Fail

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

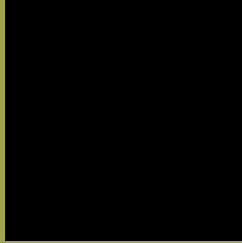
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 9EA450 Background



This preview shows how black text looks on a background with the Hex color 9EA450.



This preview shows how white text looks on a background with the Hex color 9EA450.

# 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**  
9EA450

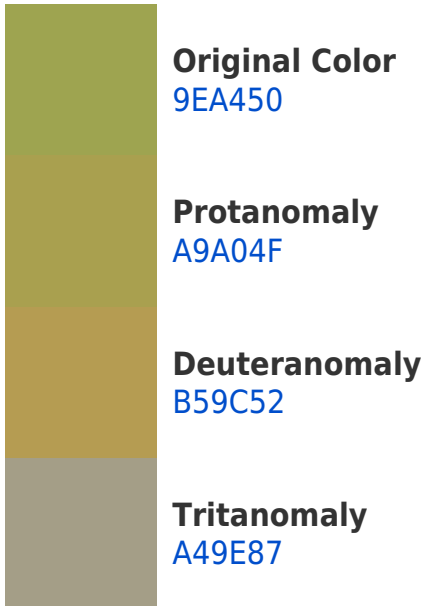
**Protanopia**  
AF9E4E

**Deuteranopia**  
C29753

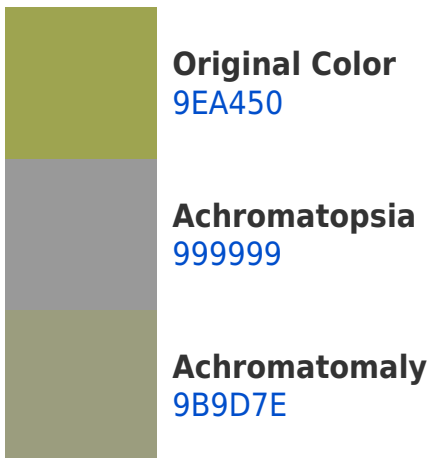


**Tritanopia**  
A79BA7

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 9EA450 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 #9EA450 looks like.

```
.text, #text, p{  
    color:#9EA450  
}
```

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 #9EA450 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #9EA450
}
```

## Border

The CSS property to change the border of an element to Hex 9EA450 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
#9EA450 }
```

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

```
.border{ border-color:#9EA450 }
```

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

Here you see how a box with a 4 pixel #9EA450 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #9EA450; -webkit-box-shadow:4px 4px  
4px 4px #9EA450; box-shadow:4px 4px 4px  
4px #9EA450 }
```

# Background

The CSS property to change the background color of an element to Hex 9EA450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#9EA450 }
```

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

```
.background{ background-color:#9EA450 }
```

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