

# Converting Colors

Hex(99AB51)

Have a look what the booklet for  
Hex(99AB51) contains.

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**Color**

**Hex(99AB51)**

# Conversions

## Conversions Part 1

Format	Color
Hex	99AB51
RGB	153, 171, 81
RGB Percent	60%, 67%, 32%
CMY	0.4000, 0.3294, 0.6824
CMYK	0.11, 0.00, 0.53, 0.33
HSL	72°, 36%, 49%
HSV	72°, 53%, 67%
XYZ	29.1850, 36.4922, 13.2901
YIQ	155.3580, 18.1620, -31.8060

# Conversions

## Conversions Part 2

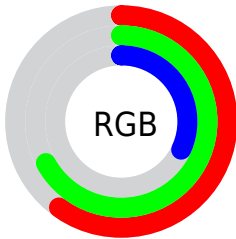
<b>Format</b>	<b>Color</b>
<b>RYB</b>	81, 171, 99
Decimal	10070865
CIELab	66.89, -19.98, 43.71
CIELCh	67, 48.063, 114.566
Yxy	36.4922, 0.3696, 0.4621
Android (android.graphics.Color)	4288260945 (0xFF99AB51)
YUV	155.3580, -36.6585, -2.0680
Hunter-Lab	60.4088, -19.4776, 29.2422

# Details

The Hex color **99AB51** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **6351AB**, and the grayscale version is **9C9C9C**.

A 20% lighter version of the original color is **D1E285**, and **64771E** is the 20% darker color. If you saturate the color by 10%, you get **96AB40**, and if you desaturate by 10%, it is **9CAB62**.

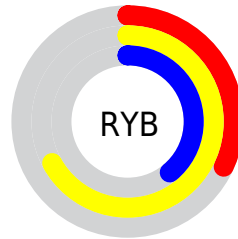
# Distribution



Red (60%)

Green (67%)

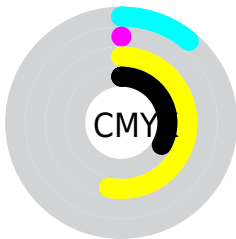
Blue (32%)



Red (32%)

Yellow (67%)

Blue (39%)

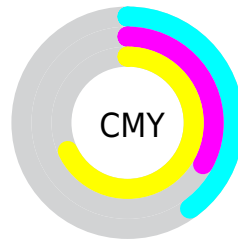


Cyan (11%)

Magenta (0%)

Yellow (53%)

Black (33%)



Cyan (40%)

Magenta (33%)

Yellow (68%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 99AB51 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 99AB51 by changing the saturation by 10% instead.



 99AB51

 99AB51

FFFFFF

 7E9038

 D1E285

 64771E

 EEFFA0

 4A5E00

 FFFFBB

 324600

 FFFFD7

 193000

 FFFFF4

 001D00

 000000

 99AB51

 99AB51

 96AB40

 9CAB62

■ 92AB2F

■ A0AB73

■ 8FAB1E

■ A3AB84

■ 8BAB0D

■ A7AB95

■ 89AB00

■ AAABA6

■ AEABB8

■ B1ABC9

■ B4ABDA

■ B8ABEB

# Harmonies

## Analogous

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



C39E4A



99AB51



65B46F

# Triad

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



99AB51



00B4E8



EF7FAC

# Complementary

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



99AB51



6351AB

# 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.



D18AD5



99AB51



3FAAF8

# Square

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



99AB51



00B8C5



9A9BF1



F48181

# Rectangle

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



99AB51



31B78A



9A9BF1



E882BB



# Sweetspot

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



99AB51



D7DEBA



AB6351



6C705B



F0F0F0



707070



# Same Dimension

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



99AB51



C2DE52



6CAB51



55574E



789600



121700



# Inverse Universe

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



6351AB



6E52DE



9051AB



504E57



1E0096



050017



# Previews

## White Background



This preview shows how the Hex color 99AB51 looks on a white background.

## Color Contrast Check

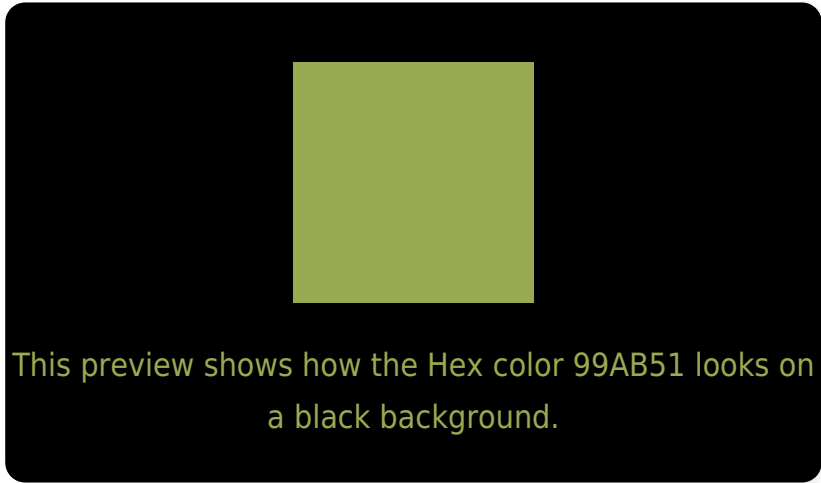
Large Text (above 18pt) WCAG AA × Fail

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 99AB51 Background



This preview shows how black text looks on a background with the Hex color 99AB51.

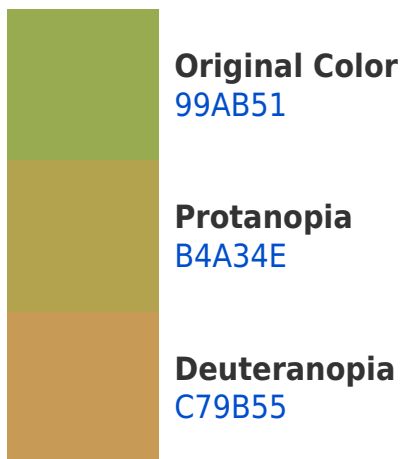


This preview shows how white text looks on a background with the Hex color 99AB51.

# 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](#).

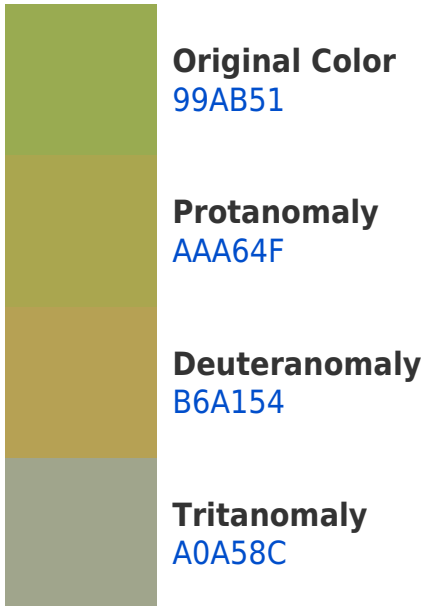
## Dichromacy



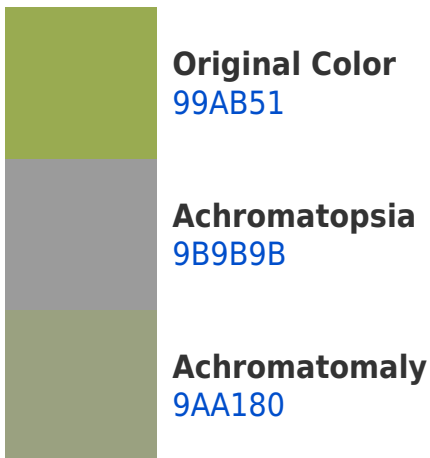


**Tritanopia**  
A4A1AE

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 99AB51 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 #99AB51 looks like.

```
.text, #text, p{  
    color:#99AB51  
}
```

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 #99AB51 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #99AB51
}
```

## Border

The CSS property to change the border of an element to Hex 99AB51 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
#99AB51 }
```

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

```
.border{ border-color:#99AB51 }
```

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

Here you see how a box with a 4 pixel #99AB51 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #99AB51; -webkit-box-shadow:4px 4px  
4px 4px #99AB51; box-shadow:4px 4px 4px  
4px #99AB51 }
```

# Background

The CSS property to change the background color of an element to Hex 99AB51 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#99AB51 }
```

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

```
.background{ background-color:#99AB51 }
```

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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