

Converting Colors

Hex(99AA55)

Have a look what the booklet for
Hex(99AA55) contains.

Hex(99AA55)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(99AA55)

Conversions

Conversions Part 1

Format	Color
Hex	99AA55
RGB	153, 170, 85
RGB Percent	60%, 67%, 33%
CMY	0.4000, 0.3333, 0.6667
CMYK	0.10, 0.00, 0.50, 0.33
HSL	72°, 33%, 50%
HSV	72°, 50%, 67%
XYZ	29.1513, 36.1776, 14.0409
YIQ	155.2270, 17.1530, -30.0390

Conversions

Conversions Part 2

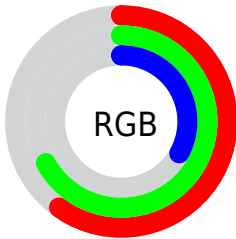
Format	Color
RYB	85, 170, 102
Decimal	10070613
CIELab	66.66, -19.08, 41.47
CIELCh	67, 45.646, 114.711
Yxy	36.1776, 0.3673, 0.4558
Android (android.graphics.Color)	4288260693 (0xFF99AA55)
YUV	155.2270, -34.6219, -1.9531
Hunter-Lab	60.1478, -18.7468, 28.2629

Details

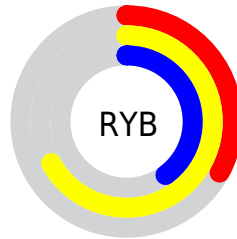
The Hex color **99AA55** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **6655AA**, and the grayscale version is **9C9C9C**.

A 20% lighter version of the original color is **D1E189**, and **647623** is the 20% darker color. If you saturate the color by 10%, you get **96AA44**, and if you desaturate by 10%, it is **9CAA66**.

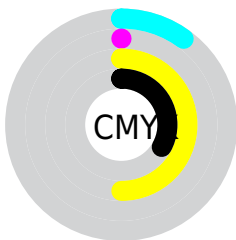
Distribution



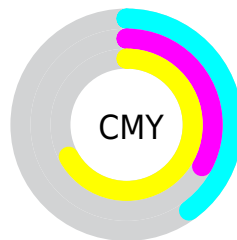
- Red (60%)
- Green (67%)
- Blue (33%)



- Red (33%)
- Yellow (67%)
- Blue (40%)



- Cyan (10%)
- Magenta (0%)
- Yellow (50%)
- Black (33%)



- Cyan (40%)
- Magenta (33%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the Hex color 99AA55 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 99AA55 by changing the saturation by 10% instead.

 99AA55

 99AA55

FFFFFF

 7E903C

 D1E189

 647623

 EEFEA4

 4B5D07

 FFFFBF

 324600

 FFFFDB

 1A2F00

 FFFFF8

 001C00

 000000

 99AA55

 99AA55

 96AA44

 9CAA66

■ 92AA33

■ A0AA77

■ 8FAA22

■ A3AA88

■ 8BAA11

■ A7AA99

■ 88AA00

■ AAAAAA

■ ADAABB

■ B1AACC

■ B4AADD

■ B8AAEE

Harmonies

Analogous

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



C19D4F



99AA55



68B371

Triad

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



99AA55



00B2E4



EB81AB

Complementary

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



99AA55



6655AA

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.



CE8BD2



99AA55



4AA9F3

Square

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



99AA55



00B7C3



9A9AED



EF8382

Rectangle

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



99AA55



3BB68B



9A9AED



E483B9

Sweetspot

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



99AA55



D7DEBD



AA6655



6C705C



F0F0F0



707070

Same Dimension

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



99AA55



C3DE59



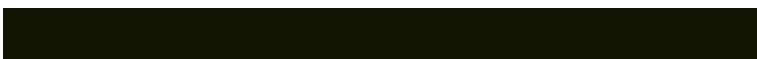
6EAA55



52544C



769400



101400

Inverse Universe

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



6655AA



7359DE



9155AA



4D4C54



1E0094



040014

Previews

White Background



This preview shows how the Hex color 99AA55 looks on a white background.

Color Contrast Check

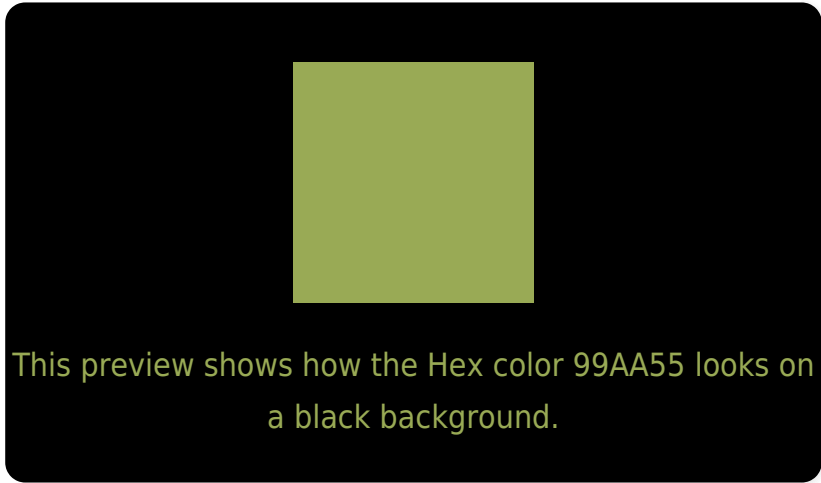
Large Text (above 18pt) WCAG AA × Fail

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

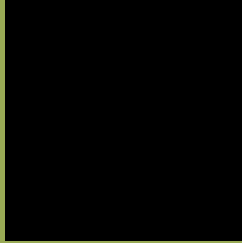
Any Text WCAG AA ✓ Pass

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 99AA55 Background



This preview shows how black text looks on a background with the Hex color 99AA55.



This preview shows how white text looks on a background with the Hex color 99AA55.

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

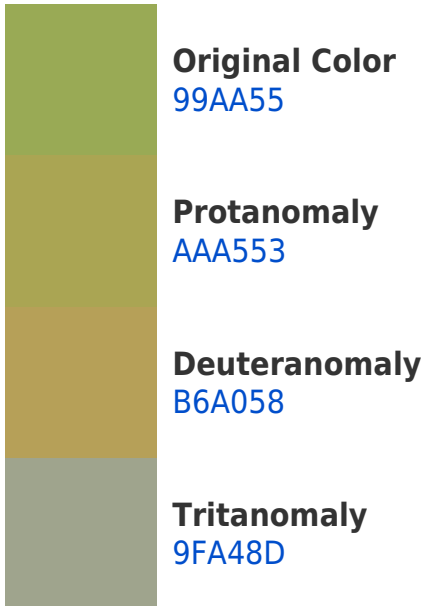


Original Color
99AA55

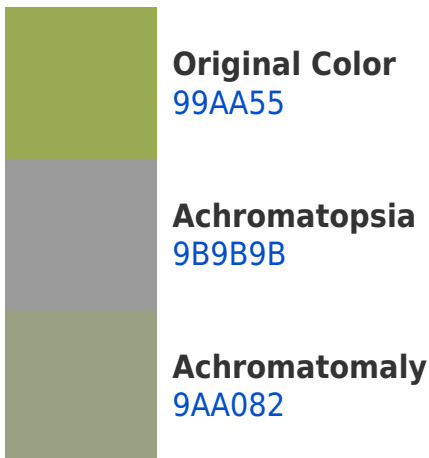
Protanopia
B3A252

Deuteranopia
C69A59

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Hex 99AA55 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 #99AA55 looks like.

```
.text, #text, p{  
    color:#99AA55  
}
```

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 #99AA55 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #99AA55
}
```

Border

The CSS property to change the border of an element to Hex 99AA55 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
#99AA55 }
```

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

```
.border{ border-color:#99AA55 }
```

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

Here you see how a box with a 4 pixel #99AA55 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #99AA55; -webkit-box-shadow:4px 4px  
4px 4px #99AA55; box-shadow:4px 4px 4px  
4px #99AA55 }
```

Background

The CSS property to change the background color of an element to Hex 99AA55 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#99AA55 }
```

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

```
.background{ background-color:#99AA55 }
```

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