

# Converting Colors

Hex(33A95A)

Have a look what the booklet for  
Hex(33A95A) contains.

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# Color

Hex(33A95A)

# Conversions

## Conversions Part 1

Format	Color
Hex	33A95A
RGB	51, 169, 90
RGB Percent	20%, 66%, 35%
CMY	0.8000, 0.3373, 0.6471
CMYK	0.70, 0.00, 0.47, 0.34
HSL	140°, 54%, 43%
HSV	140°, 70%, 66%
XYZ	17.3987, 29.8179, 14.5113
YIQ	124.7120, -44.9690, -49.5850

# Conversions

## Conversions Part 2

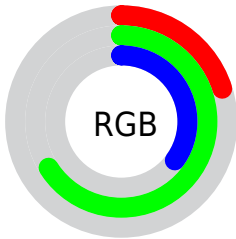
<b>Format</b>	<b>Color</b>
<b>RYB</b>	51, 140, 169
Decimal	3385690
CIELab	61.50, -50.14, 31.46
CIElCh	61, 59.190, 147.897
Yxy	29.8179, 0.2819, 0.4831
Android (android.graphics.Color)	4281575770 (0xFF33A95A)
YUV	124.7120, -17.1130, -64.6454
Hunter-Lab	54.6058, -38.6859, 22.4680

# Details

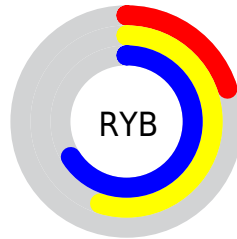
The Hex color **33A95A** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **A93382**, and the grayscale version is **7D7D7D**.

A 20% lighter version of the original color is **70E18D**, and **00742A** is the 20% darker color. If you saturate the color by 10%, you get **22A94F**, and if you desaturate by 10%, it is **44A965**.

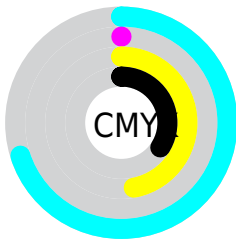
# Distribution



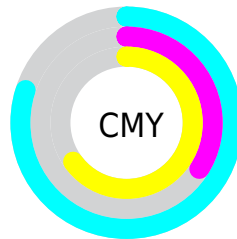
- Red (20%)
- Green (66%)
- Blue (35%)



- Red (20%)
- Yellow (55%)
- Blue (66%)



- Cyan (70%)
- Magenta (0%)
- Yellow (47%)
- Black (34%)



- Cyan (80%)
- Magenta (34%)
- Yellow (65%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 33A95A 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 33A95A by changing the saturation by 10% instead.





33A95A



33A95A

FFFFFF



008E42



70E18D



00742A



8DFEA8



005A12



AAFFC4



004100



C8FFE0



002C00



E5FFFD



000A00



000000



33A95A




33A95A



22A94F



44A965

 11A943

 55A971

 00A938

 66A97C

 77A987

 87A993

 98A99E

 A9A9A9

 BAA9B5

 CBA9C0

# Harmonies

## Analogous

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



7FA02F



33A95A



00AD8F

# Triad

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



33A95A



009CFD



F16967

# Complementary

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



33A95A



A93382

# 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.



F0639A



33A95A



8E88F2

# Square

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



33A95A



00A8ED



D072CD



DB7C3B

# Rectangle

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



33A95A



00AEB3



D072CD



F46577



# Sweetspot

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



33A95A



ADDBBC



84A933



526E5B



EDEDED



6E6E6E



# Same Dimension

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



33A95A



23DB60



33A993



4C544F



009431



001407



# Inverse Universe

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



A93382



DB239E



A93349



544C51



940063



14000E



# Previews

## White Background



This preview shows how the Hex color 33A95A looks on a white background.

## Color Contrast Check

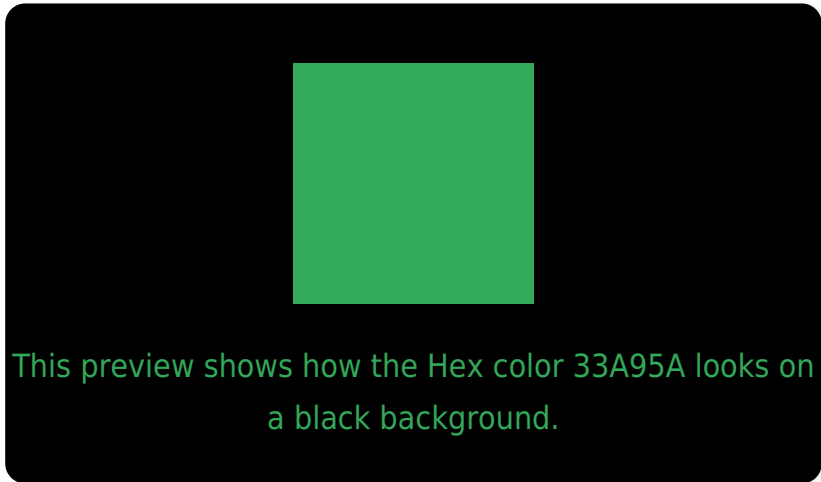
Large Text (above 18pt) WCAG AA ✓ Pass

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

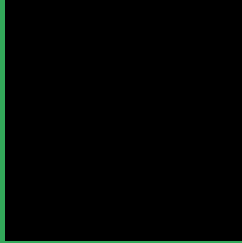
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 33A95A Background



This preview shows how black text looks on a background with the Hex color 33A95A.



This preview shows how white text looks on a background with the Hex color 33A95A.

# 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**  
4FA0AD

# Trichromacy



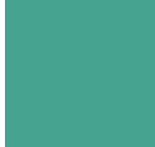
**Original Color**  
33A95A



**Protanomaly**  
7A9B55



**Deuteranomaly**  
83975E



**Tritanomaly**  
45A38F

# Monochromacy



**Original Color**  
33A95A



**Achromatopsia**  
7D7D7D



**Achromatomaly**  
628D70

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 33A95A 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 #33A95A looks like.

```
.text, #text, p{  
    color:#33A95A  
}
```

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 #33A95A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #33A95A
}
```

## Border

The CSS property to change the border of an element to Hex 33A95A 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
#33A95A }
```

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

```
.border{ border-color:#33A95A }
```

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

Here you see how a box with a 4 pixel #33A95A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #33A95A; -webkit-box-shadow:4px 4px  
4px 4px #33A95A; box-shadow:4px 4px 4px  
4px #33A95A }
```

# Background

The CSS property to change the background color of an element to Hex 33A95A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#33A95A }
```

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

```
.background{ background-color:#33A95A }
```

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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