

Converting Colors

RGB(159, 198, 33)

Have a look what the booklet for
RGB(159, 198, 33) contains.

RGB(159, 198, 33)	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

RGB(159, 198, 33)

Conversions

Conversions Part 1

Format	Color
Hex	9FC621
RGB	159, 198, 33
RGB Percent	62%, 78%, 13%
CMY	0.3765, 0.2235, 0.8706
CMYK	0.20, 0.00, 0.83, 0.22
HSL	74°, 71%, 45%
HSV	74°, 83%, 78%
XYZ	34.7667, 47.8689, 8.8461
YIQ	167.5290, 29.7210, -59.5830

Conversions

Conversions Part 2

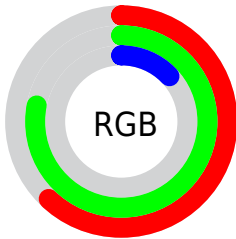
Format	Color
R _Y B	33, 198, 72
Decimal	10470945
CIE Lab	74.74, -33.55, 69.83
CIE LCh	75, 77.470, 115.659
Yxy	47.8689, 0.3800, 0.5233
Android (android.graphics.Color)	4288661025 (0xFF9FC621)
YUV	167.5290, -66.3228, -7.4799
Hunter-Lab	69.1874, -31.3816, 40.8505

Details

The RGB color **159, 198, 33** is a dark color, and the websafe version is hex **99CC33**. The color can be described as dark muted chartreuse. A complement of this color would be **72, 33, 198**, and the grayscale version is **168, 168, 168**.

A 20% lighter version of the original color is **217, 255, 95**, and **102, 144, 0** is the 20% darker color. If you saturate the color by 10%, you get **154, 198, 13**, and if you desaturate by 10%, it is **164, 198, 53**.

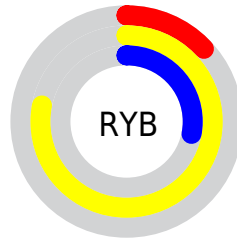
Distribution



Red (62%)

Green (78%)

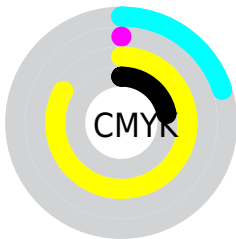
Blue (13%)



Red (13%)

Yellow (78%)

Blue (28%)

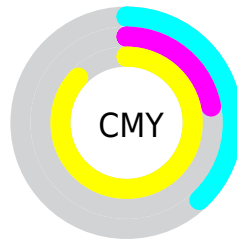


Cyan (20%)

Magenta (0%)

Yellow (83%)

Black (22%)



Cyan (38%)

Magenta (22%)

Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the RGB color 159, 198, 33 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 RGB color 159, 198, 33 by changing the saturation by 10% instead.



159, 198, 33



159, 198, 33

255, 255, 255



131, 171, 0



217, 255, 95



102, 144, 0



247, 255, 123



75, 118, 0



255, 255, 152



46, 93, 0



255, 255, 180



13, 69, 0



255, 255, 209



0, 46, 0



255, 255, 239



0, 25, 0



0, 0, 0



159, 198, 33



159, 198, 33

■ 154, 198, 13

■ 164, 198, 53

■ 151, 198, 0

■ 168, 198, 73

■ 173, 198, 92

■ 178, 198, 112

■ 182, 198, 132

■ 187, 198, 152

■ 192, 198, 172

■ 196, 198, 191

■ 201, 198, 211

Harmonies

Analogous

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



228, 177, 1



159, 198, 33



48, 211, 98

Triad

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



159, 198, 33



0, 211, 255



255, 113, 197

Complementary

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



159, 198, 33



72, 33, 198

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.



255, 137, 255



159, 198, 33



0, 195, 255

Square

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



159, 198, 33



0, 217, 244



163, 169, 255



255, 120, 127

Rectangle

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



159, 198, 33



0, 215, 146



163, 169, 255



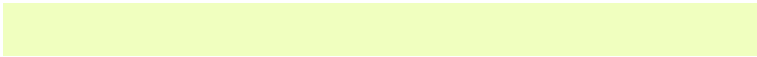
255, 118, 221

Sweetspot

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



159, 198, 33



240, 255, 191



198, 72, 33



118, 128, 89



0, 0, 0



128, 128, 128

Same Dimension

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



159, 198, 33



195, 255, 0



77, 198, 33



97, 99, 90



125, 163, 0



27, 36, 0

Inverse Universe

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



72, 33, 198



60, 0, 255



154, 33, 198



92, 90, 99



39, 0, 163



8, 0, 36

Previews

White Background



This preview shows how the RGB color 159, 198, 33 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



This preview shows how the RGB color 159, 198, 33 looks on a 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](#).

RGB 159, 198, 33 Background



This preview shows how black text looks on a background with the RGB color 159, 198, 33.



This preview shows how white text looks on a background with the RGB color 159, 198, 33.

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](#).

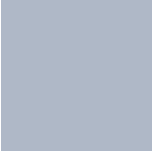
Dichromacy



Original Color
159, 198, 33

Protanopia
207, 184, 29

Deuteranopia
230, 174, 47



Tritanopia
175, 184, 199

Trichromacy



Original Color

159, 198, 33

Protanomaly

190, 189, 30

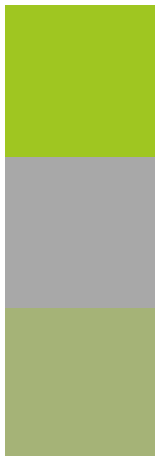
Deuteranomaly

204, 183, 42

Tritanomaly

169, 189, 139

Monochromacy



Original Color

159, 198, 33

Achromatopsia

168, 168, 168

Achromatomaly

165, 179, 119

CSS Examples

Text

The CSS property to change the color of the text to RGB 159, 198, 33 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 `rgb(159, 198, 33)` looks like.

```
.text, #text, p{  
    color:rgb(159, 198, 33)  
}
```

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 rgb(159, 198, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 198, 33) }
```

Border

The CSS property to change the border of an element to RGB 159, 198, 33 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 rgb(159, 198, 33) }
```

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

```
.border{ border-color:rgb(159, 198, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 198, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 198, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 198, 33);  
box-shadow:4px 4px 4px 4px rgb(159, 198,  
33) }
```

Background

The CSS property to change the background color of an element to RGB 159, 198, 33 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 198, 33) }
```

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

```
.background{ background-color: rgb(159,  
198, 33) }
```

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