

Converting Colors

RGB(158, 218, 0)

Have a look what the booklet for
RGB(158, 218, 0) contains.

RGB(158, 218, 0)	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(158, 218, 0)

Conversions

Conversions Part 1

Format	Color
Hex	9EDA00
RGB	158, 218, 0
RGB Percent	62%, 85%, 0%
CMY	0.3804, 0.1451, 1.0000
CMYK	0.28, 0.00, 1.00, 0.15
HSL	77°, 100%, 43%
HSV	77°, 100%, 85%
XYZ	39.1720, 57.4119, 9.0170
YIQ	175.2080, 34.2180, -80.5180

Conversions

Conversions Part 2

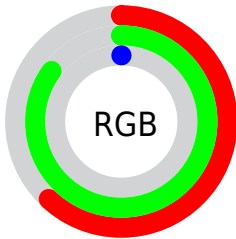
Format	Color
RYB	0, 218, 60
Decimal	10410496
CIELab	80.41, -43.47, 79.05
CIElCh	80, 90.214, 118.808
Yxy	57.4119, 0.3709, 0.5437
Android (android.graphics.Color)	4288600576 (0xFF9EDA00)
YUV	175.2080, -86.3775, -15.0914
Hunter-Lab	75.7706, -40.3176, 45.9837

Details

The RGB color **158, 218, 0** is a dark color, and the websafe version is hex **99CC00**. The color can be described as dark washed chartreuse. A complement of this color would be **60, 0, 218**, and the grayscale version is **176, 176, 176**.

A 20% lighter version of the original color is **217, 255, 86**, and **100, 163, 0** is the 20% darker color. If you saturate the color by 10%, you get **158, 218, 0**, and if you desaturate by 10%, it is **164, 218, 22**.

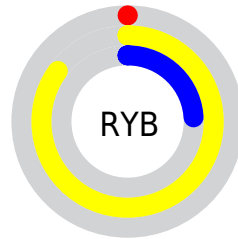
Distribution



Red (62%)

Green (85%)

Blue (0%)



Red (0%)

Yellow (85%)

Blue (24%)

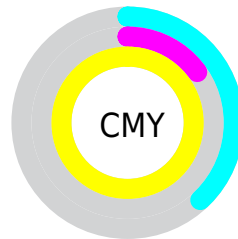


Cyan (28%)

Magenta (0%)

Yellow (100%)

Black (15%)



Cyan (38%)

















Magenta (15%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the RGB color 158, 218, 0 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 158, 218, 0 by changing the saturation by 10% instead.

 158, 218, 0	 158, 218, 0
 255, 255, 255	 129, 190, 0
 217, 255, 86	 100, 163, 0
 248, 255, 116	 70, 136, 0
 255, 255, 145	 38, 110, 0
 255, 255, 174	 0, 85, 0
 255, 255, 204	 0, 61, 0
 255, 255, 234	 0, 41, 0
	 0, 3, 0
	 0, 0, 0

- 158, 218, 0
- 164, 218, 22
- 170, 218, 44
- 176, 218, 65
- 182, 218, 87
- 188, 218, 109
- 194, 218, 131
- 200, 218, 153
- 206, 218, 174
- 212, 218, 196

Harmonies

Analogous

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



241, 195, 0



158, 218, 0



0, 231, 106

Triad

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



158, 218, 0



0, 230, 255



255, 108, 207

Complementary

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



158, 218, 0



60, 0, 218

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



158, 218, 0



0, 211, 255

Square

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



158, 218, 0



0, 237, 255



187, 178, 255



255, 122, 124

Rectangle

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



158, 218, 0



0, 236, 164



187, 178, 255



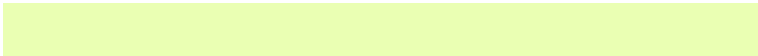
255, 114, 235

Sweetspot

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



158, 218, 0



234, 255, 179



218, 58, 0



115, 128, 82



0, 0, 0



128, 128, 128

Same Dimension

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



158, 218, 0



185, 255, 0



51, 218, 0



107, 110, 99



126, 173, 0



33, 46, 0

Inverse Universe

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



60, 0, 218



70, 0, 255



167, 0, 218



102, 99, 110



48, 0, 173



13, 0, 46

Previews

White Background



This preview shows how the RGB color 158, 218, 0 looks on a white background.

Color Contrast Check

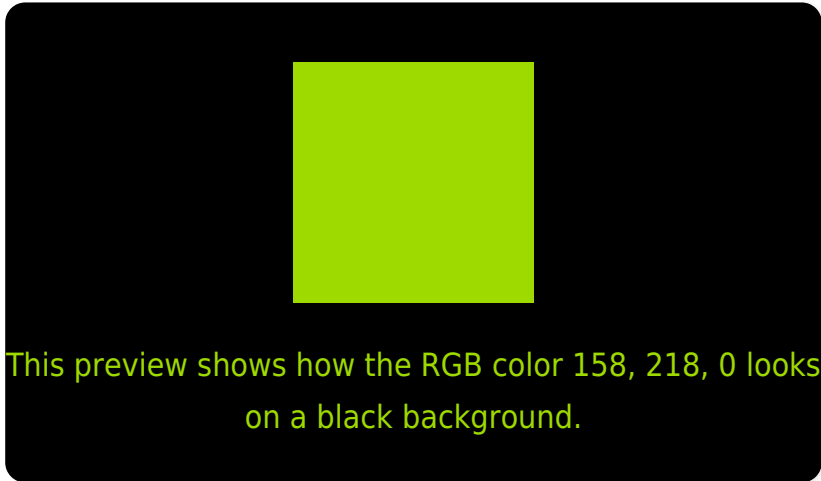
Large Text (above 18pt) WCAG AA × Fail

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](#).

RGB 158, 218, 0 Background



This preview shows how black text looks on a background with the RGB color 158, 218, 0.



This preview shows how white text looks on a background with the RGB color 158, 218, 0.

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
158, 218, 0

Protanopia
224, 199, 0

Deuteranopia
250, 188, 41



Tritanopia
178, 203, 219

Trichromacy



Original Color
158, 218, 0

Protanomaly
200, 206, 0

Deuteranomaly
217, 199, 26

Tritanomaly
171, 208, 139

Monochromacy



Original Color
158, 218, 0

Achromatopsia
175, 175, 175

Achromatomaly
169, 191, 111

CSS Examples

Text

The CSS property to change the color of the text to RGB 158, 218, 0 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(158, 218, 0)` looks like.

```
.text, #text, p{  
    color:rgb(158, 218, 0)  
}
```

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(158, 218, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 218, 0) }
```

Border

The CSS property to change the border of an element to RGB 158, 218, 0 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(158, 218, 0) }
```

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

```
.border{ border-color:rgb(158, 218, 0) }
```

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

Here you see how a box with a 4 pixel rgb(158, 218, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 218, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 218, 0);  
box-shadow:4px 4px 4px 4px rgb(158, 218,  
0) }
```

Background

The CSS property to change the background color of an element to RGB 158, 218, 0 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 218, 0) }
```

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

```
.background{ background-color: rgb(158,  
218, 0) }
```

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