

Converting Colors

RGB(153, 245, 16)

Have a look what the booklet for
RGB(153, 245, 16) contains.

RGB(153, 245, 16)	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(153, 245, 16)

Conversions

Conversions Part 1

Format	Color
Hex	99F510
RGB	153, 245, 16
RGB Percent	60%, 96%, 6%
CMY	0.4000, 0.0392, 0.9373
CMYK	0.38, 0.00, 0.93, 0.04
HSL	84°, 92%, 51%
HSV	84°, 93%, 96%
XYZ	45.8828, 72.1145, 11.9914
YIQ	191.3860, 18.6770, -90.7230

Conversions

Conversions Part 2

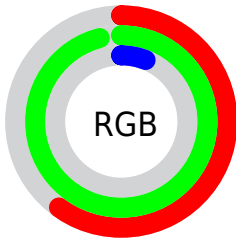
Format	Color
RYB	16, 245, 108
Decimal	10089744
CIELab	88.02, -56.15, 83.48
CIELCh	88, 100.610, 123.923
Yxy	72.1145, 0.3530, 0.5548
Android (android.graphics.Color)	4288279824 (0xFF99F510)
YUV	191.3860, -86.4653, -33.6645
Hunter-Lab	84.9203, -52.1661, 51.0720

Details

The RGB color **153, 245, 16** is a dark color, and the websafe version is hex **99FF33**. The color can be described as middle washed chartreuse. A complement of this color would be **108, 16, 245**, and the grayscale version is **192, 192, 192**.

A 20% lighter version of the original color is **214, 255, 95**, and **92, 188, 0** is the 20% darker color. If you saturate the color by 10%, you get **147, 245, 0**, and if you desaturate by 10%, it is **163, 245, 41**.

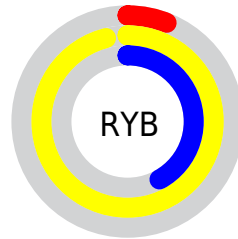
Distribution



Red (60%)

Green (96%)

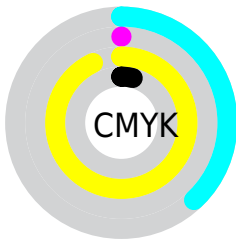
Blue (6%)



Red (6%)

Yellow (96%)

Blue (42%)

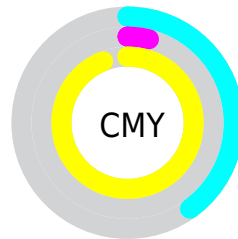


Cyan (38%)

Magenta (0%)

Yellow (93%)

Black (4%)



Cyan (40%)



















Magenta (4%)

Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the RGB color 153, 245, 16 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 153, 245, 16 by changing the saturation by 10% instead.

 153, 245, 16	 153, 245, 16
 255, 255, 255	 123, 216, 0
 214, 255, 95	 92, 188, 0
 244, 255, 126	 58, 161, 0
 255, 255, 155	 11, 134, 0
 255, 255, 185	 0, 108, 0
 255, 255, 215	 0, 82, 0
 255, 255, 245	 0, 58, 0
	 0, 35, 0
	 0, 0, 0

■ 153, 245, 16

■ 153, 245, 16

■ 147, 245, 0

■ 163, 245, 41

■ 173, 245, 65

■ 183, 245, 90

■ 192, 245, 114

■ 202, 245, 139

■ 212, 245, 163

■ 222, 245, 188

■ 232, 245, 212

■ 242, 245, 237

Harmonies

Analogous

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



253, 221, 0



153, 245, 16



0, 255, 131

Triad

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



153, 245, 16



0, 252, 255



255, 113, 212

Complementary

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



153, 245, 16



108, 16, 245

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, 140, 255



153, 245, 16



0, 229, 255

Square

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



153, 245, 16



0, 255, 255



234, 189, 255



255, 138, 119

Rectangle

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



153, 245, 16



0, 255, 197



234, 189, 255



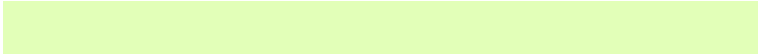
255, 116, 245

Sweetspot

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



153, 245, 16



226, 255, 184



245, 108, 16



110, 128, 84



0, 0, 0



128, 128, 128

Same Dimension

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



153, 245, 16



153, 255, 0



39, 245, 16



117, 122, 110



111, 186, 0



35, 59, 0

Inverse Universe

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



108, 16, 245



102, 0, 255



222, 16, 245



115, 110, 122



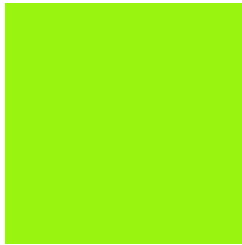
75, 0, 186



24, 0, 59

Previews

White Background



This preview shows how the RGB color 153, 245, 16 looks on a white background.

Color Contrast Check

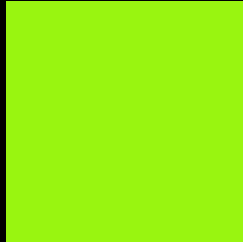
Large Text (above 18pt) WCAG AA × Fail

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 153, 245, 16 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

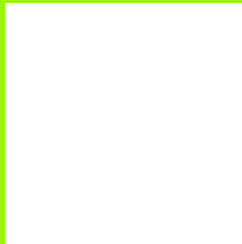
Any Text WCAG AAA ✓ Pass

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

RGB 153, 245, 16 Background



This preview shows how black text looks on a background with the RGB color 153, 245, 16.



This preview shows how white text looks on a background with the RGB color 153, 245, 16.

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
153, 245, 16

Protanopia
248, 220, 0

Deuteranopia
255, 213, 150



Tritanopia
179, 228, 246

Trichromacy



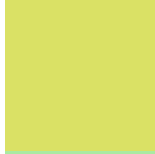
Original Color

153, 245, 16



Protanomaly

213, 229, 6



Deuteranomaly

218, 225, 101



Tritanomaly

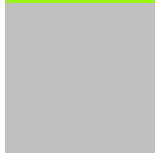
170, 234, 162

Monochromacy



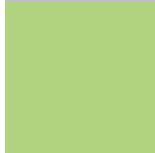
Original Color

153, 245, 16



Achromatopsia

191, 191, 191



Achromatomaly

177, 211, 127

CSS Examples

Text

The CSS property to change the color of the text to RGB 153, 245, 16 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(153, 245, 16)` looks like.

```
.text, #text, p{  
    color:rgb(153, 245, 16)  
}
```

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(153, 245, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 245, 16) }
```

Border

The CSS property to change the border of an element to RGB 153, 245, 16 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(153, 245, 16) }
```

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

```
.border{ border-color:rgb(153, 245, 16) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 245, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 245, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 245, 16);  
box-shadow:4px 4px 4px 4px rgb(153, 245,  
16) }
```

Background

The CSS property to change the background color of an element to RGB 153, 245, 16 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 245, 16) }
```

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

```
.background{ background-color: rgb(153,  
245, 16) }
```

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