

Converting Colors

RGB(51, 255, 158)

Have a look what the booklet for
RGB(51, 255, 158) contains.

RGB(51, 255, 158)	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(51, 255, 158)

Conversions

Conversions Part 1

Format	Color
Hex	33FF9E
RGB	51, 255, 158
RGB Percent	20%, 100%, 62%
CMY	0.8000, 0.0000, 0.3804
CMYK	0.80, 0.00, 0.38, 0.00
HSL	151°, 100%, 60%
HSV	151°, 80%, 100%
XYZ	43.2968, 74.6924, 44.4829
YIQ	182.9460, -90.4470, -73.4150

Conversions

Conversions Part 2

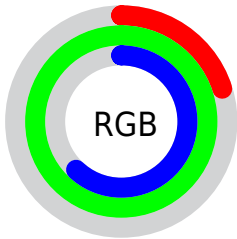
Format	Color
RYB	51, 185, 255
Decimal	3407774
CIELab	89.25, -68.94, 33.06
CIELCh	89, 76.458, 154.380
Yxy	74.6924, 0.2665, 0.4597
Android (android.graphics.Color)	4281597854 (0xFF33FF9E)
YUV	182.9460, -12.2984, -115.7166
Hunter-Lab	86.4248, -61.8190, 29.9808

Details

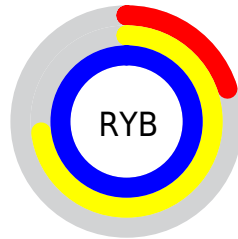
The RGB color **51, 255, 158** is a light color, and the websafe version is hex **33FF99**. The color can be described as light washed spring green. A complement of this color would be **255, 51, 148**, and the grayscale version is **183, 183, 183**.

A 20% lighter version of the original color is **130, 255, 213**, and **0, 197, 106** is the 20% darker color. If you saturate the color by 10%, you get **25, 255, 146**, and if you desaturate by 10%, it is **77, 255, 170**.

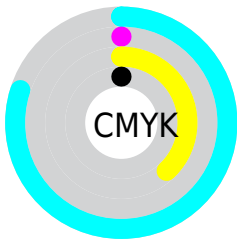
Distribution



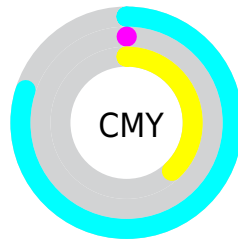
- Red (20%)
- Green (100%)
- Blue (62%)



- Red (20%)
- Yellow (73%)
- Blue (100%)



- Cyan (80%)
- Magenta (0%)
- Yellow (38%)
- Black (0%)



















- Cyan (80%)
- Magenta (0%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the RGB color 51, 255, 158 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 51, 255, 158 by changing the saturation by 10% instead.

 51, 255, 158	 51, 255, 158
 255, 255, 255	 0, 226, 131
 130, 255, 213	 0, 197, 106
 163, 255, 242	 0, 169, 81
 195, 255, 255	 0, 141, 56
 227, 255, 255	 0, 114, 32
	 0, 88, 6
	 0, 63, 0
	 0, 38, 0
	 0, 0, 0

■ 51, 255, 158

■ 51, 255, 158

■ 25, 255, 146

■ 77, 255, 170

■ 0, 255, 134

■ 102, 255, 182

■ 128, 255, 194

■ 153, 255, 207

■ 179, 255, 219

■ 204, 255, 231

■ 230, 255, 243

255, 255, 255

Harmonies

Analogous

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



178, 244, 95



51, 255, 158



0, 255, 233

Triad

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



51, 255, 158



80, 229, 255



255, 170, 146

Complementary

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



51, 255, 158



255, 51, 148

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, 157, 216



51, 255, 158



241, 200, 255

Square

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



51, 255, 158



0, 248, 255



255, 171, 255



255, 197, 90

Rectangle

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



51, 255, 158



0, 255, 255



255, 171, 255



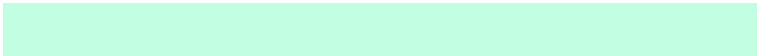
255, 163, 168

Sweetspot

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



51, 255, 158



194, 255, 226



150, 255, 51



91, 128, 110



0, 0, 0



128, 128, 128

Same Dimension

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



51, 255, 158



10, 255, 139



51, 252, 255



115, 128, 121



0, 191, 100



0, 64, 33

Inverse Universe

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



255, 51, 148



255, 10, 127



255, 54, 51



128, 115, 121



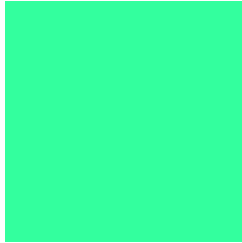
191, 0, 91



64, 0, 30

Previews

White Background



This preview shows how the RGB color 51, 255, 158 looks on a white background.

Color Contrast Check

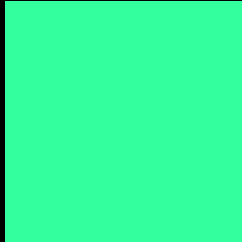
Large Text (above 18pt) WCAG AA × Fail

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 51, 255, 158 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

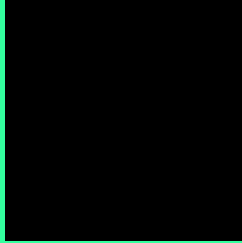
Any Text WCAG AA ✓ Pass

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 51, 255, 158 Background



This preview shows how black text looks on a background with the RGB color 51, 255, 158.

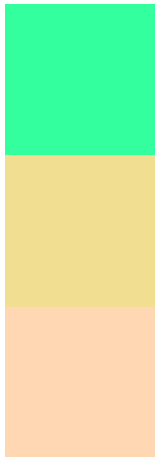


This preview shows how white text looks on a background with the RGB color 51, 255, 158.

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
51, 255, 158

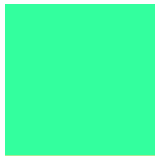
Protanopia
241, 222, 144

Deuteranopia
255, 215, 179



Tritanopia
136, 239, 255

Trichromacy



Original Color

51, 255, 158



Protanomaly

172, 234, 149



Deuteranomaly

181, 230, 171



Tritanomaly

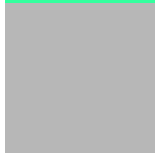
105, 245, 220

Monochromacy



Original Color

51, 255, 158



Achromatopsia

183, 183, 183



Achromatomaly

135, 209, 174

CSS Examples

Text

The CSS property to change the color of the text to RGB 51, 255, 158 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(51, 255, 158)` looks like.

```
.text, #text, p{  
    color:rgb(51, 255, 158)  
}
```

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(51, 255, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 255, 158) }
```

Border

The CSS property to change the border of an element to RGB 51, 255, 158 is called "border". The border property can be set on classes, ids or directly on the HTML element.

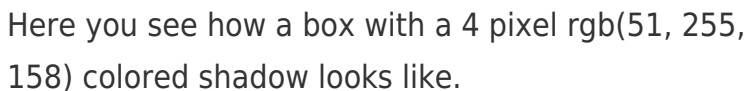
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(51, 255, 158) }
```

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

```
.border{ border-color:rgb(51, 255, 158) }
```

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



Here you see how a box with a 4 pixel `rgb(51, 255, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 255, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 255, 158);  
box-shadow:4px 4px 4px 4px rgb(51, 255,  
158) }
```

Background

The CSS property to change the background color of an element to RGB 51, 255, 158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 255, 158) }
```

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

```
.background{ background-color: rgb(51, 255,  
158) }
```

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