

Converting Colors

RGB(191, 255, 51)

Have a look what the booklet for
RGB(191, 255, 51) contains.

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Color

RGB(191, 255, 51)

Conversions

Conversions Part 1

Format	Color
Hex	BFFF33
RGB	191, 255, 51
RGB Percent	75%, 100%, 20%
CMY	0.2510, 0.0000, 0.8000
CMYK	0.25, 0.00, 0.80, 0.00
HSL	79°, 100%, 60%
HSV	79°, 80%, 100%
XYZ	57.8434, 82.8354, 16.0721
YIQ	212.6080, 27.3400, -77.0120

Conversions

Conversions Part 2

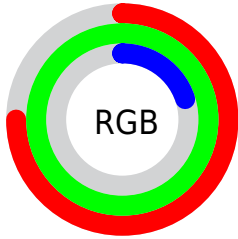
Format	Color
RYB	51, 255, 115
Decimal	12582707
CIELab	92.94, -45.86, 82.13
CIELCh	93, 94.071, 119.179
Yxy	82.8354, 0.3690, 0.5285
Android (android.graphics.Color)	4290772787 (0xFFBFFF33)
YUV	212.6080, -79.6727, -18.9502
Hunter-Lab	91.0139, -45.8297, 53.2398

Details

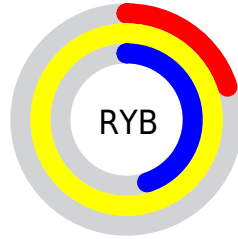
The RGB color **191, 255, 51** is a light color, and the websafe version is hex **CCFF33**. The color can be described as light washed chartreuse. A complement of this color would be **115, 51, 255**, and the grayscale version is **213, 213, 213**.

A 20% lighter version of the original color is **251, 255, 115**, and **132, 198, 0** is the 20% darker color. If you saturate the color by 10%, you get **183, 255, 25**, and if you desaturate by 10%, it is **199, 255, 77**.

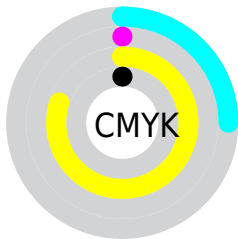
Distribution



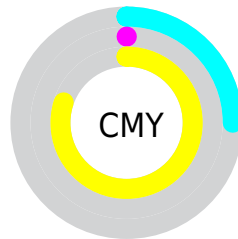
- Red (75%)
- Green (100%)
- Blue (20%)



- Red (20%)
- Yellow (100%)
- Blue (45%)



- Cyan (25%)
- Magenta (0%)
- Yellow (80%)
- Black (0%)




















- Cyan (25%)
- Magenta (0%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the RGB color 191, 255, 51 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 191, 255, 51 by changing the saturation by 10% instead.

 191, 255, 51	 191, 255, 51
 255, 255, 255	 161, 226, 0
 251, 255, 115	 132, 198, 0
 255, 255, 145	 102, 170, 0
 255, 255, 174	 72, 144, 0
 255, 255, 204	 39, 118, 0
 255, 255, 234	 0, 92, 0
	 0, 68, 0
	 0, 46, 0
	 0, 18, 0

■ 191, 255, 51

■ 191, 255, 51

■ 183, 255, 25

■ 199, 255, 77

■ 175, 255, 0

■ 207, 255, 102

■ 215, 255, 128

■ 223, 255, 153

■ 231, 255, 179

■ 239, 255, 204

■ 247, 255, 230

255, 255, 255

Harmonies

Analogous

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



255, 230, 0



191, 255, 51



0, 255, 136

Triad

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



191, 255, 51



0, 255, 255



255, 143, 241

Complementary

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



191, 255, 51



115, 51, 255

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, 170, 255



191, 255, 51



0, 246, 255

Square

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



191, 255, 51



0, 255, 255



227, 212, 255



255, 156, 152

Rectangle

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



191, 255, 51



0, 255, 198



227, 212, 255



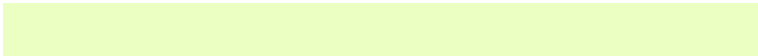
255, 148, 255

Sweetspot

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



191, 255, 51



236, 255, 194



255, 112, 51



116, 128, 91



0, 0, 0



128, 128, 128

Same Dimension

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



191, 255, 51



178, 255, 10



92, 255, 51



124, 128, 115



131, 191, 0



44, 64, 0

Inverse Universe

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



115, 51, 255



87, 10, 255



214, 51, 255



119, 115, 128



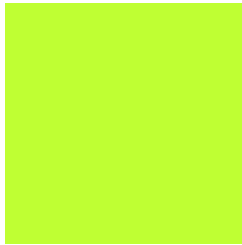
60, 0, 191



20, 0, 64

Previews

White Background



This preview shows how the RGB color 191, 255, 51 looks on a white background.

Color Contrast Check

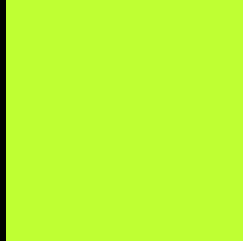
Large Text (above 18pt) WCAG AA × Fail

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 191, 255, 51 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 191, 255, 51 Background



This preview shows how black text looks on a background with the RGB color 191, 255, 51.

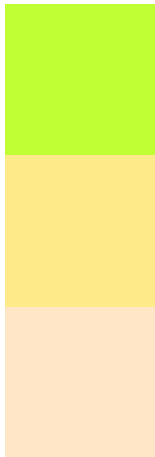


This preview shows how white text looks on a background with the RGB color 191, 255, 51.

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
191, 255, 51

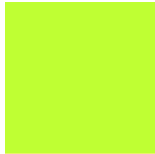
Protanopia
255, 234, 137

Deuteranopia
255, 230, 198



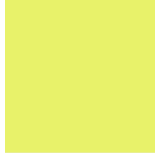
Tritanopia
215, 237, 255

Trichromacy



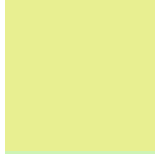
Original Color

191, 255, 51



Protanomaly

232, 242, 106



Deuteranomaly

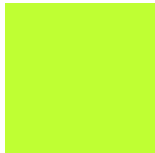
232, 239, 145



Tritanomaly

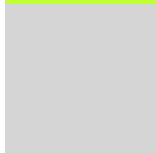
206, 244, 181

Monochromacy



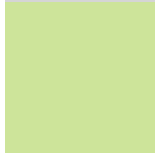
Original Color

191, 255, 51



Achromatopsia

213, 213, 213



Achromatomaly

205, 228, 154

CSS Examples

Text

The CSS property to change the color of the text to RGB 191, 255, 51 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(191, 255, 51)` looks like.

```
.text, #text, p{  
    color:rgb(191, 255, 51)  
}
```

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(191, 255, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 255, 51) }
```

Border

The CSS property to change the border of an element to RGB 191, 255, 51 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(191, 255, 51) }
```

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

```
.border{ border-color:rgb(191, 255, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 255, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 255, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 255, 51);  
box-shadow:4px 4px 4px 4px rgb(191, 255,  
51) }
```

Background

The CSS property to change the background color of an element to RGB 191, 255, 51 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 255, 51) }
```

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

```
.background{ background-color: rgb(191,  
255, 51) }
```

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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