

Converting Colors

RGB(51, 153, 0)

Have a look what the booklet for
RGB(51, 153, 0) contains.

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Color

RGB(51, 153, 0)

Conversions

Conversions Part 1

Format	Color
Hex	339900
RGB	51, 153, 0
RGB Percent	20%, 60%, 0%
CMY	0.8000, 0.4000, 1.0000
CMYK	0.67, 0.00, 1.00, 0.40
HSL	100°, 100%, 30%
HSV	100°, 100%, 60%
XYZ	12.7565, 23.4863, 3.8610
YIQ	105.0600, -11.6790, -69.2070

Conversions

Conversions Part 2

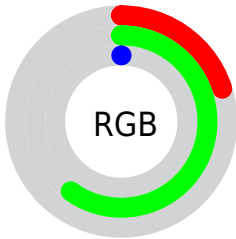
Format	Color
RYB	0, 153, 102
Decimal	3381504
CIELab	55.57, -52.49, 57.69
CIElCh	56, 77.998, 132.300
Yxy	23.4863, 0.3181, 0.5856
Android (android.graphics.Color)	4281571584 (0xFF339900)
YUV	105.0600, -51.7946, -47.4106
Hunter-Lab	48.4626, -37.8243, 29.2003

Details

The RGB color **51, 153, 0** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **102, 0, 153**, and the grayscale version is **106, 106, 106**.

A 20% lighter version of the original color is **112, 208, 70**, and **0, 101, 0** is the 20% darker color. If you saturate the color by 10%, you get **51, 153, 0**, and if you desaturate by 10%, it is **61, 153, 15**.

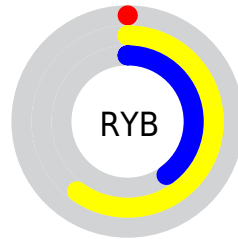
Distribution



Red (20%)

Green (60%)

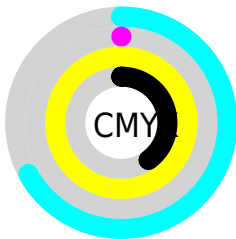
Blue (0%)



Red (0%)

Yellow (60%)

Blue (40%)

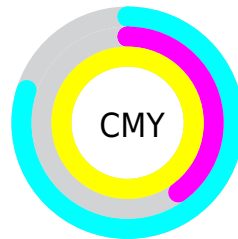


Cyan (67%)

Magenta (0%)

Yellow (100%)

Black (40%)



Cyan (80%)

Magenta (40%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the RGB color 51, 153, 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 51, 153, 0 by changing the saturation by 10% instead.

 51, 153, 0  51, 153, 0

255, 255, 255  1, 126, 0

 112, 208, 70  0, 101, 0

 141, 237, 97  0, 76, 0


 170, 255, 124  0, 52, 0

 200, 255, 152  0, 28, 0

 229, 255, 180  0, 0, 0

 255, 255, 209

 255, 255, 238

 51, 153, 0

■ 61, 153, 15

■ 71, 153, 31

■ 82, 153, 46

■ 92, 153, 61

■ 102, 153, 77

■ 112, 153, 92

■ 122, 153, 107

■ 133, 153, 122

■ 143, 153, 138

Harmonies

Analogous

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



136, 139, 0



51, 153, 0



0, 160, 89

Triad

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



51, 153, 0



0, 152, 255



250, 47, 108

Complementary

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



51, 153, 0



102, 0, 153

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.



232, 60, 176



51, 153, 0



0, 132, 255

Square

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



51, 153, 0



0, 161, 223



169, 100, 234



234, 80, 43

Rectangle

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



51, 153, 0



0, 162, 137



169, 100, 234



248, 44, 131

Sweetspot

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



51, 153, 0



159, 199, 139



153, 102, 0



76, 99, 64



227, 227, 227



99, 99, 99

Same Dimension

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



51, 153, 0



66, 199, 0



0, 153, 25



71, 77, 69



47, 140, 0



4, 13, 0

Inverse Universe

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



102, 0, 153



133, 0, 199



153, 0, 127



74, 69, 77



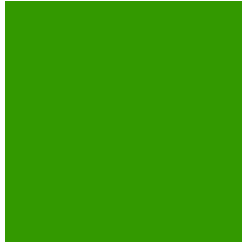
94, 0, 140



9, 0, 13

Previews

White Background



This preview shows how the RGB color 51, 153, 0 looks on a white background.

Color Contrast Check

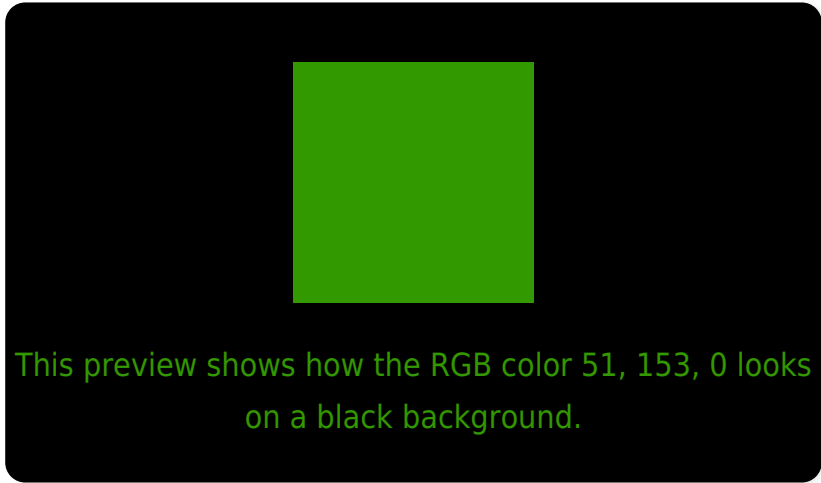
Large Text (above 18pt) WCAG AA ✓ Pass

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 × Fail

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

RGB 51, 153, 0 Background



This preview shows how black text looks on a background with the RGB color 51, 153, 0.



This preview shows how white text looks on a background with the RGB color 51, 153, 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
51, 153, 0

Protanopia
149, 133, 0

Deuteranopia
166, 126, 32



Tritanopia
80, 142, 154

Trichromacy



Original Color

51, 153, 0



Protanomaly

113, 140, 0



Deuteranomaly

124, 136, 20



Tritanomaly

69, 146, 98

Monochromacy



Original Color

51, 153, 0



Achromatopsia

105, 105, 105



Achromatomaly

85, 122, 67

CSS Examples

Text

The CSS property to change the color of the text to RGB 51, 153, 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(51, 153, 0)` looks like.

```
.text, #text, p{  
    color:rgb(51, 153, 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(51, 153, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 153, 0) }
```

Border

The CSS property to change the border of an element to RGB 51, 153, 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(51, 153, 0) }
```

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

```
.border{ border-color:rgb(51, 153, 0) }
```

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

Here you see how a box with a 4 pixel rgb(51, 153, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 153, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 153, 0);  
box-shadow:4px 4px 4px 4px rgb(51, 153, 0)  
}
```

Background

The CSS property to change the background color of an element to RGB 51, 153, 0 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 153, 0) }
```

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

```
.background{ background-color: rgb(51, 153,  
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](#).

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