

Converting Colors

RGB(0, 204, 33)

Have a look what the booklet for
RGB(0, 204, 33) contains.

RGB(0, 204, 33)	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(0, 204, 33)

Conversions

Conversions Part 1

Format	Color
Hex	00CC21
RGB	0, 204, 33
RGB Percent	0%, 80%, 13%
CMY	1.0000, 0.2000, 0.8706
CMYK	1.00, 0.00, 0.84, 0.20
HSL	130°, 100%, 40%
HSV	130°, 100%, 80%
XYZ	21.8674, 43.2955, 8.6432
YIQ	123.5100, -66.6930, -96.4290

Conversions

Conversions Part 2

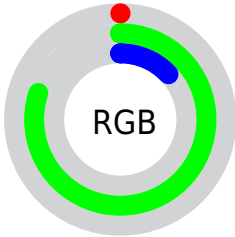
Format	Color
RYB	0, 176, 204
Decimal	52257
CIELab	71.76, -71.88, 65.35
CIELCh	72, 97.143, 137.725
Yxy	43.2955, 0.2963, 0.5866
Android (android.graphics.Color)	4278242337 (0xFF00CC21)
YUV	123.5100, -44.6214, -108.3183
Hunter-Lab	65.7993, -55.8272, 38.2714

Details

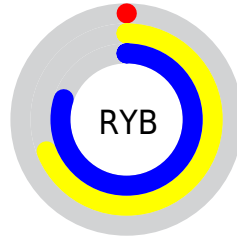
The RGB color **0, 204, 33** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **204, 0, 171**, and the grayscale version is **124, 124, 124**.

A 20% lighter version of the original color is **105, 255, 95**, and **0, 148, 0** is the 20% darker color. If you saturate the color by 10%, you get **0, 204, 33**, and if you desaturate by 10%, it is **20, 204, 50**.

Distribution



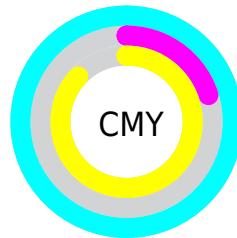
- Red (0%)
- Green (80%)
- Blue (13%)



- Red (0%)
- Yellow (69%)
- Blue (80%)



- Cyan (100%)
- Magenta (0%)
- Yellow (84%)
- Black (20%)




- Cyan (100%)
- Magenta (20%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the RGB color 0, 204, 33 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 0, 204, 33 by changing the saturation by 10% instead.

 0, 204, 33	 0, 204, 33
 255, 255, 255	 0, 176, 0
 105, 255, 95	 0, 148, 0
 138, 255, 123	 0, 121, 0
 169, 255, 151	 0, 94, 0
 201, 255, 179	 0, 69, 0
 232, 255, 208	 0, 44, 0
 255, 255, 238	 0, 12, 0
	 0, 0, 0

 0, 204, 33

 20, 204, 50

 41, 204, 67

 61, 204, 84

 82, 204, 101

 102, 204, 118

 122, 204, 136

 143, 204, 153

 163, 204, 170

 184, 204, 187

Harmonies

Analogous

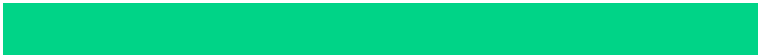
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



163, 188, 0



0, 204, 33



0, 212, 135

Triad

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



0, 204, 33



0, 197, 255



255, 65, 128

Complementary

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



0, 204, 33



204, 0, 171

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, 69, 216



0, 204, 33



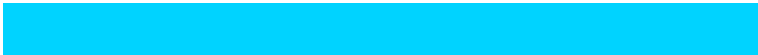
41, 169, 255

Square

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



0, 204, 33



0, 211, 255



242, 123, 255



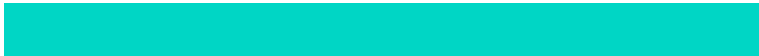
255, 115, 39

Rectangle

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



0, 204, 33



0, 214, 197



242, 123, 255



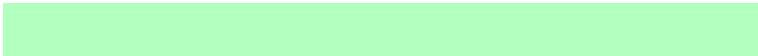
255, 56, 157

Sweetspot

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



0, 204, 33



179, 255, 191



173, 204, 0



82, 128, 89



0, 0, 0



128, 128, 128

Same Dimension

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



0, 204, 33



0, 255, 41



0, 204, 133



92, 102, 93



0, 166, 27



0, 38, 6

Inverse Universe

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



204, 0, 171



255, 0, 214



204, 0, 71



102, 92, 100



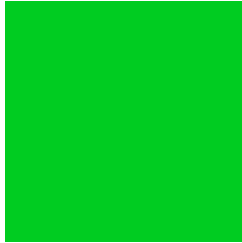
166, 0, 139



38, 0, 32

Previews

White Background



This preview shows how the RGB color 0, 204, 33 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 0, 204, 33 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 0, 204, 33 Background



This preview shows how black text looks on a background with the RGB color 0, 204, 33.



This preview shows how white text looks on a background with the RGB color 0, 204, 33.

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
0, 204, 33

Protanopia
196, 175, 25

Deuteranopia
218, 166, 54



Tritanopia
85, 190, 205

Trichromacy



Original Color

0, 204, 33



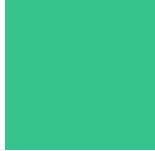
Protanomaly

125, 186, 28



Deuteranomaly

139, 180, 46



Tritanomaly

54, 195, 142

Monochromacy



Original Color

0, 204, 33



Achromatopsia

124, 124, 124



Achromatomaly

79, 153, 91

CSS Examples

Text

The CSS property to change the color of the text to RGB 0, 204, 33 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(0, 204, 33)` looks like.

```
.text, #text, p{  
    color:rgb(0, 204, 33)  
}
```

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(0, 204, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 204, 33) }
```

Border

The CSS property to change the border of an element to RGB 0, 204, 33 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(0, 204, 33) }
```

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

```
.border{ border-color:rgb(0, 204, 33) }
```

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

Here you see how a box with a 4 pixel rgb(0, 204, 33) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 204, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 204, 33);  
box-shadow:4px 4px 4px 4px rgb(0, 204, 33)  
}
```

Background

The CSS property to change the background color of an element to RGB 0, 204, 33 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 204, 33) }
```

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

```
.background{ background-color: rgb(0, 204,  
33) }
```

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