

Converting Colors

`RYB(0, 204, 104)`

Have a look what the booklet for
RYB(0, 204, 104) contains.

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Color

RYB(0, 204, 104)

Conversions

Conversions Part 1

Format	Color
Hex	64CC00
RGB	100, 204, 0
RGB Percent	39%, 80%, 0%
CMY	0.6078, 0.2000, 1.0000
CMYK	0.51, 0.00, 1.00, 0.20
HSL	91°, 100%, 40%
HSV	91°, 100%, 80%
XYZ	26.8484, 45.8951, 7.4436
YIQ	149.6480, 3.5000, -85.4920

Conversions

Conversions Part 2

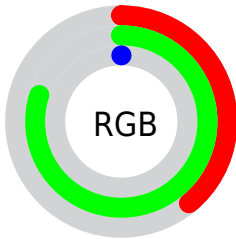
Format	Color
RYB	0, 204, 104
Decimal	6605824
CIELab	73.48, -57.61, 72.49
CIELCh	73, 92.597, 128.474
Yxy	45.8951, 0.3348, 0.5724
Android (android.graphics.Color)	4284795904 (0xFF64CC00)
YUV	149.6480, -73.7765, -43.5413
Hunter-Lab	67.7459, -47.8139, 40.9076

Details

The RYB color **0, 204, 104** is a dark color, and the websafe version is hex **66CC00**. The color can be described as dark washed chartreuse. A complement of this color would be **104, 0, 204**, and the grayscale version is **150, 150, 150**.

A 20% lighter version of the original color is **82, 255, 177**, and **0, 149, 122** is the 20% darker color. If you saturate the color by 10%, you get **0, 204, 104**, and if you desaturate by 10%, it is **20, 204, 114**.

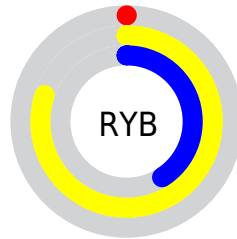
Distribution



Red (39%)

Green (80%)

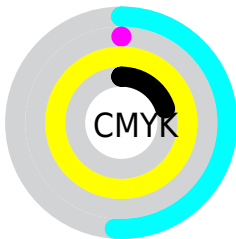
Blue (0%)



Red (0%)

Yellow (80%)

Blue (41%)

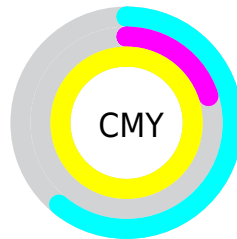


Cyan (51%)

Magenta (0%)

Yellow (100%)

Black (20%)



Cyan (61%)

Magenta (20%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the RYB color 0, 204, 104 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 RYB color 0, 204, 104 by changing the saturation by 10% instead.



0, 204, 104



0, 204, 104

255, 255, 255



0, 176, 108



82, 255, 177



0, 149, 122



111, 255, 176



0, 122, 122



140, 255, 175



0, 96, 96



169, 255, 173



0, 71, 71



198, 255, 198



0, 49, 49



227, 255, 227



0, 20, 20



0, 0, 0



0, 204, 104

 20, 204, 114

 41, 204, 124

 61, 204, 134

 82, 204, 144

 102, 204, 154

 122, 204, 164

 143, 204, 174

 163, 204, 184

 184, 204, 194

Harmonies

Analogous

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



11, 195, 0



0, 204, 104



0, 140, 214

Triad

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



0, 204, 104



0, 114, 255



255, 78, 160

Complementary

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



0, 204, 104



104, 0, 204

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, 99, 245



0, 204, 104



0, 107, 255

Square

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



0, 204, 104



0, 117, 255



211, 145, 255



255, 117, 78

Rectangle

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



0, 204, 104



0, 121, 217



211, 145, 255



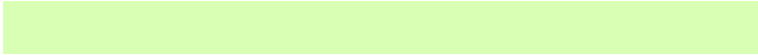
255, 78, 189

Sweetspot

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



0, 204, 104



179, 255, 218



204, 204, 0



82, 128, 106



0, 0, 0



128, 128, 128

Same Dimension

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



0, 204, 104



0, 255, 130



0, 204, 204



92, 102, 97



0, 166, 85



0, 38, 19

Inverse Universe

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



104, 0, 204



130, 0, 255



204, 0, 204



97, 92, 102



85, 0, 166



20, 0, 38

Previews

White Background



This preview shows how the RYB color 0, 204, 104 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 RYB color 0, 204, 104 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](#).

RYB 0, 204, 104 Background



This preview shows how black text looks on a background with the RYB color 0, 204, 104.



This preview shows how white text looks on a background with the RYB color 0, 204, 104.

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

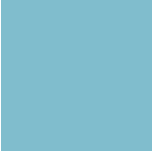
0, 204, 104

Protanopia

25, 202, 0

Deuteranopia

123, 226, 42



Tritanopia
128, 162, 205

Trichromacy



Original Color

0, 204, 104

Protanomaly

0, 189, 24

Deuteranomaly

27, 182, 29

Tritanomaly

118, 185, 195

Monochromacy



Original Color

0, 204, 104

Achromatopsia

150, 150, 150

Achromatomaly

95, 170, 133

CSS Examples

Text

The CSS property to change the color of the text to RYB 0, 204, 104 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(100, 204, 0)` looks like.

```
.text, #text, p{  
    color:rgb(100, 204, 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(100, 204, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 204, 0) }
```

Border

The CSS property to change the border of an element to RYB 0, 204, 104 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(100, 204, 0) }
```

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

```
.border{ border-color:rgb(100, 204, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 204, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 204, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 204, 0);  
box-shadow:4px 4px 4px 4px rgb(100, 204,  
0) }
```

Background

The CSS property to change the background color of an element to RGB 100, 204, 0 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 204, 0) }
```

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

```
.background{ background-color: rgb(100,  
204, 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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