

Converting Colors

`RYB(67, 255, 0)`

Have a look what the booklet for
RYB(67, 255, 0) contains.

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Color

RYB(67, 255, 0)

Conversions

Conversions Part 1

Format	Color
Hex	FFCA00
RGB	255, 202, 0
RGB Percent	100%, 79%, 0%
CMY	0.0000, 0.2081, 1.0000
CMYK	0.00, 0.21, 1.00, 0.00
HSL	48°, 100%, 50%
HSV	48°, 100%, 100%
XYZ	62.3467, 63.4734, 8.9656
YIQ	194.8190, 96.4300, -51.5860

Conversions

Conversions Part 2

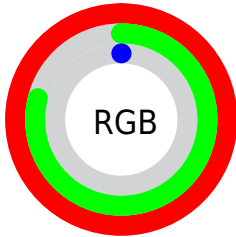
Format	Color
RYB	67, 255, 0
Decimal	16763392
CIELab	83.69, 4.74, 84.87
CIELCh	84, 85.003, 86.806
Yxy	63.4734, 0.4626, 0.4709
Android (android.graphics.Color)	4294953472 (0xFFFFCA00)
YUV	194.8190, -96.0458, 52.7787
Hunter-Lab	79.6702, 0.2641, 49.0970

Details

The RYB color **67, 255, 0** is a light color, and the websafe version is hex **FFCC00**. The color can be described as light saturated yellow. A complement of this color would be **0, 44, 255**, and the grayscale version is **196, 196, 196**.

A 20% lighter version of the original color is **86, 255, 86**, and **59, 193, 0** is the 20% darker color. If you saturate the color by 10%, you get **67, 255, 0**, and if you desaturate by 10%, it is **86, 255, 25**.

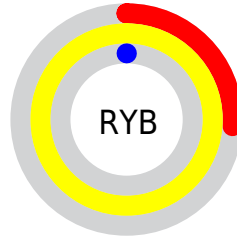
Distribution



Red (100%)

Green (79%)

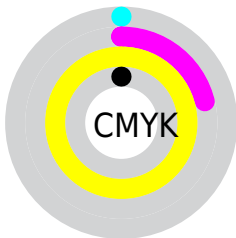
Blue (0%)



Red (26%)

Yellow (100%)

Blue (0%)

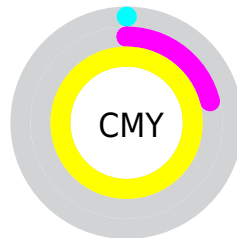


Cyan (0%)

Magenta (21%)

Yellow (100%)

Black (0%)



Cyan (0%)


















Magenta (21%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the RYB color 67, 255, 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 RYB color 67, 255, 0 by changing the saturation by 10% instead.

 67, 255, 0	 67, 255, 0
255, 255, 255	 63, 224, 0
 86, 255, 86	 59, 193, 0
 116, 255, 116	 53, 163, 0
 145, 255, 145	 48, 133, 0
 174, 255, 174	 40, 104, 0
 204, 255, 204	 33, 76, 0
 234, 255, 234	 28, 50, 0
	 26, 14, 0
	 0, 0, 0

 67, 255, 0

 86, 255, 25

 104, 255, 51

 124, 255, 77

 142, 255, 102

 162, 255, 128

 179, 255, 153

 199, 255, 179

 218, 255, 204

 236, 255, 230

Harmonies

Analogous

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



229, 255, 71



67, 255, 0



42, 225, 90

Triad

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



67, 255, 0



0, 125, 255



255, 154, 255

Complementary

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



67, 255, 0



0, 44, 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.



191, 191, 255



67, 255, 0



0, 123, 255

Square

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



67, 255, 0



0, 136, 245



0, 118, 255



255, 129, 221

Rectangle

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



67, 255, 0



90, 235, 217



0, 118, 255



255, 166, 255

Sweetspot

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



67, 255, 0



199, 255, 179



255, 0, 55



95, 128, 82



0, 0, 0



128, 128, 128

Same Dimension

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



67, 255, 0



0, 255, 72



119, 128, 115



51, 191, 0



18, 64, 0

Inverse Universe

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



0, 44, 255



72, 0, 255



115, 117, 128



0, 33, 191



0, 11, 64

Previews

White Background



This preview shows how the RYB color 67, 255, 0 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 67, 255, 0 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 67, 255, 0 Background



This preview shows how black text looks on a background with the RYB color 67, 255, 0.

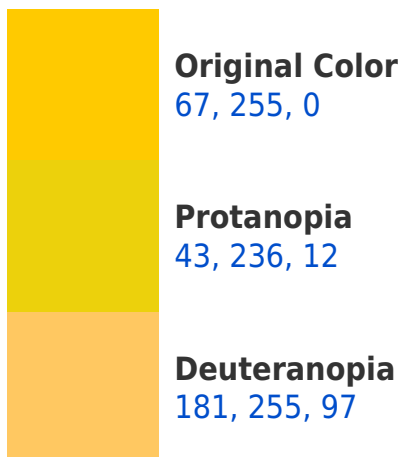



This preview shows how white text looks on a background with the RYB color 67, 255, 0.

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](#).

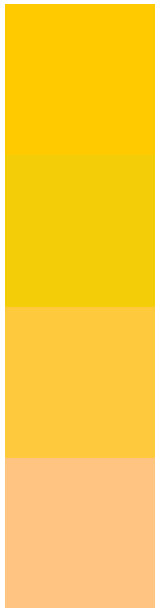
Dichromacy





Tritanopia
255, 192, 203

Trichromacy



Original Color
67, 255, 0

Protanomaly
52, 243, 8

Deuteranomaly
137, 255, 62

Tritanomaly
240, 255, 129

Monochromacy



Original Color
67, 255, 0

Achromatopsia
195, 195, 195

Achromatomaly
148, 217, 124

CSS Examples

Text

The CSS property to change the color of the text to RYB 67, 255, 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(255, 202, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 202, 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(255, 202, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 202, 0) }
```

Border

The CSS property to change the border of an element to RYB 67, 255, 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(255, 202, 0) }
```

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

```
.border{ border-color:rgb(255, 202, 0) }
```

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

Here you see how a box with a 4 pixel rgb(255, 202, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 202, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 202, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 202,  
0) }
```

Background

The CSS property to change the background color of an element to RYB 67, 255, 0 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 202, 0) }
```

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

```
.background{ background-color: rgb(255,  
202, 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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