

Converting Colors

`RYB(205, 255, 107)`

Have a look what the booklet for
RYB(205, 255, 107) contains.

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Color

R_YB(205, 255, 107)

Conversions

Conversions Part 1

Format	Color
Hex	FFC46B
RGB	255, 196, 107
RGB Percent	100%, 77%, 42%
CMY	0.0000, 0.2312, 0.5804
CMYK	0.00, 0.23, 0.58, 0.00
HSL	36°, 100%, 71%
HSV	36°, 58%, 100%
XYZ	63.6429, 61.8197, 22.4880
YIQ	203.4950, 63.7330, -15.1710

Conversions

Conversions Part 2

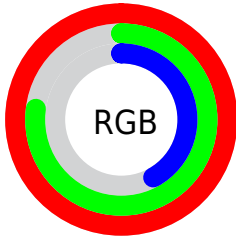
Format	Color
R _Y B	205, 255, 107
Decimal	16761963
CIE Lab	82.82, 11.49, 52.15
CIE LCh	83, 53.405, 77.574
Yxy	61.8197, 0.4302, 0.4178
Android (android.graphics.Color)	4294952043 (0xFFFFC46B)
YUV	203.4950, -47.5720, 45.1699
Hunter-Lab	78.6255, 6.8910, 38.0801

Details

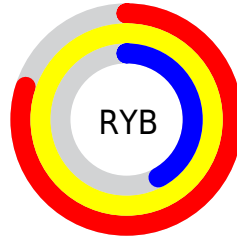
The RYB color **205, 255, 107** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **107, 149, 255**, and the grayscale version is **204, 204, 204**.

A 20% lighter version of the original color is **163, 255, 160**, and **140, 195, 55** is the 20% darker color. If you saturate the color by 10%, you get **197, 255, 82**, and if you desaturate by 10%, it is **215, 255, 133**.

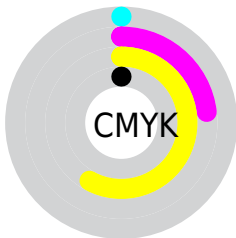
Distribution



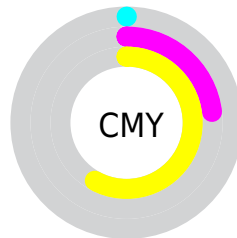
- Red (100%)
- Green (77%)
- Blue (42%)



- Red (80%)
- Yellow (100%)
- Blue (42%)



- Cyan (0%)
- Magenta (23%)
- Yellow (58%)
- Black (0%)



















- Cyan (0%)
- Magenta (23%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the RYB color 205, 255, 107 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 205, 255, 107 by changing the saturation by 10% instead.

 205, 255, 107	 205, 255, 107
 255, 255, 255	 173, 225, 81
 162, 255, 160	 140, 195, 55
 188, 255, 188	 105, 166, 29
 216, 255, 216	 67, 137, 0
 245, 255, 245	 63, 109, 0
	 59, 81, 0
	 55, 49, 0
	 31, 1, 0
	 0, 0, 0

■ 205, 255, 107

■ 205, 255, 107

■ 197, 255, 82

■ 215, 255, 133

■ 187, 255, 56

■ 223, 255, 158

■ 179, 255, 31

■ 230, 255, 184

■ 172, 255, 5

■ 239, 255, 209

■ 170, 255, 0

■ 248, 255, 235

255, 255, 255

Harmonies

Analogous

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



255, 203, 134



205, 255, 107



107, 213, 112

Triad

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



205, 255, 107



0, 117, 235



248, 182, 255

Complementary

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



205, 255, 107



107, 149, 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.



178, 196, 255



205, 255, 107



0, 120, 255

Square

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



205, 255, 107



72, 166, 231



67, 150, 255



255, 167, 229

Rectangle

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



205, 255, 107



124, 221, 174



67, 150, 255



227, 188, 255

Sweetspot

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



205, 255, 107



240, 255, 212



255, 107, 166



121, 128, 102



0, 0, 0



128, 128, 128

Same Dimension

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



205, 255, 107



195, 255, 77



107, 255, 122



126, 128, 115



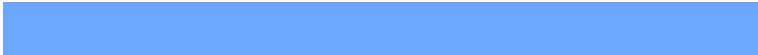
126, 191, 0



44, 64, 0

Inverse Universe

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



107, 149, 255



77, 128, 255



122, 107, 255



115, 119, 128



0, 54, 191



0, 18, 64

Previews

White Background



This preview shows how the RYB color 205, 255, 107 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 205, 255, 107 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 205, 255, 107 Background



This preview shows how black text looks on a background with the RYB color 205, 255, 107.



This preview shows how white text looks on a background with the RYB color 205, 255, 107.

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
205, 255, 107

Protanopia
135, 227, 111

Deuteranopia
198, 253, 107



Tritanopia
255, 189, 201

Trichromacy



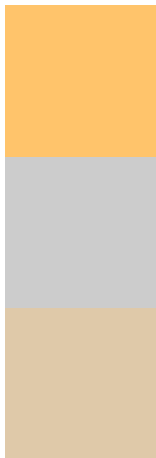
Original Color
205, 255, 107

Protanomaly
156, 237, 110

Deuteranomaly
200, 254, 107

Tritanomaly
255, 202, 167

Monochromacy



Original Color
205, 255, 107

Achromatopsia
204, 204, 204

Achromatomaly
206, 223, 169

CSS Examples

Text

The CSS property to change the color of the text to RYB 205, 255, 107 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, 196, 107)` looks like.

```
.text, #text, p{  
    color:rgb(255, 196, 107)  
}
```

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, 196, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 196, 107) }
```

Border

The CSS property to change the border of an element to RYB 205, 255, 107 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, 196, 107) }
```

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

```
.border{ border-color:rgb(255, 196, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 196, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 196, 107); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 196, 107); box-shadow:4px 4px 4px 4px rgb(255, 196, 107) }
```

Background

The CSS property to change the background color of an element to RYB 205, 255, 107 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 196, 107) }
```

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

```
.background{ background-color: rgb(255,  
196, 107) }
```

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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