

Converting Colors

`RYB(197, 252, 106)`

Have a look what the booklet for
RYB(197, 252, 106) contains.

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Color

R_YB(197, 252, 106)

Conversions

Conversions Part 1

Format	Color
Hex	FCC46A
RGB	252, 196, 106
RGB Percent	99%, 77%, 42%
CMY	0.0118, 0.2316, 0.5843
CMYK	0.00, 0.22, 0.58, 0.01
HSL	37°, 96%, 70%
HSV	37°, 58%, 99%
XYZ	62.4730, 61.1893, 22.1537
YIQ	202.4840, 62.2660, -16.1180

Conversions

Conversions Part 2

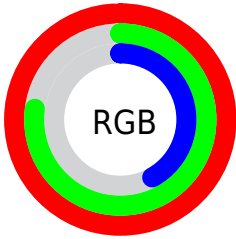
Format	Color
RYB	197, 252, 106
Decimal	16565354
CIELab	82.48, 10.25, 52.16
CIELCh	82, 53.159, 78.886
Yxy	61.1893, 0.4284, 0.4196
Android (android.graphics.Color)	4294755434 (0xFFFC46A)
YUV	202.4840, -47.5666, 43.4255
Hunter-Lab	78.2236, 5.6672, 37.9650

Details

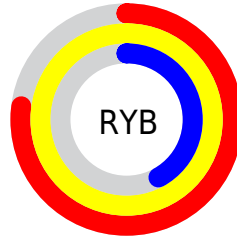
The RYB color **197, 252, 106** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **106, 146, 252**, and the grayscale version is **203, 203, 203**.

A 20% lighter version of the original color is **162, 255, 159**, and **132, 192, 54** is the 20% darker color. If you saturate the color by 10%, you get **188, 252, 81**, and if you desaturate by 10%, it is **205, 252, 131**.

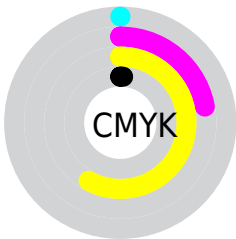
Distribution



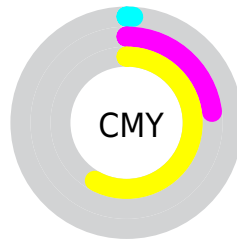
- Red (99%)
- Green (77%)
- Blue (42%)



- Red (77%)
- Yellow (99%)
- Blue (42%)



- Cyan (0%)
- Magenta (22%)
- Yellow (58%)
- Black (1%)



- Cyan (1%)
- Magenta (23%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the RYB color 197, 252, 106 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 197, 252, 106 by changing the saturation by 10% instead.

 197, 252, 106

255, 255, 255


 162, 255, 159

 187, 255, 187

 215, 255, 215


 244, 255, 244

 197, 252, 106

 165, 222, 80

 132, 192, 54

 97, 163, 27

 61, 134, 0

 59, 107, 0

 54, 79, 0

 53, 51, 0

 29, 1, 0

 0, 0, 0

197, 252, 106

197, 252, 106

188, 252, 81

205, 252, 131

177, 252, 56

216, 252, 156

168, 252, 30

226, 252, 182

159, 252, 5

234, 252, 207

158, 252, 0

245, 252, 232

252, 253, 255

252, 254, 255

Harmonies

Analogous

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



255, 205, 132



197, 252, 106



108, 212, 115

Triad

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



197, 252, 106



0, 117, 236



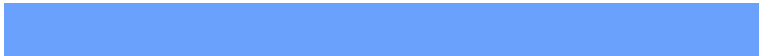
249, 180, 255

Complementary

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



197, 252, 106



106, 146, 252

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.



180, 195, 255



197, 252, 106



0, 120, 255

Square

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



197, 252, 106



67, 162, 230



74, 154, 255



255, 166, 226

Rectangle

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



197, 252, 106



125, 220, 177



74, 154, 255



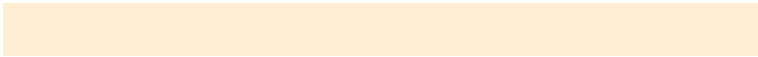
229, 186, 255

Sweetspot

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



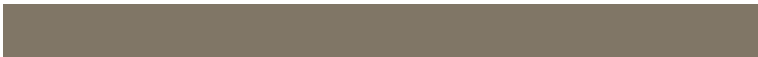
197, 252, 106



240, 255, 212



252, 106, 164



118, 128, 102



0, 0, 0



128, 128, 128

Same Dimension

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



197, 252, 106



190, 255, 77



106, 252, 121



120, 125, 112



119, 189, 0



37, 61, 0

Inverse Universe

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



106, 146, 252



77, 126, 255



121, 106, 252



112, 116, 125



0, 52, 189



0, 17, 61

Previews

White Background



This preview shows how the RYB color 197, 252, 106 looks on a white background.

Color Contrast Check

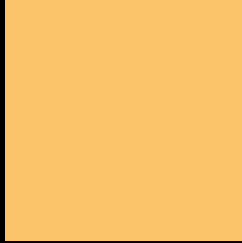
Large Text (above 18pt) WCAG AA × Fail

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 197, 252, 106 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 197, 252, 106 Background



This preview shows how black text looks on a background with the RYB color 197, 252, 106.





This preview shows how white text looks on a background with the RYB color 197, 252, 106.

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 197, 252, 106
	Protanopia 133, 226, 109
	Deuteranopia 197, 252, 106



Tritanopia
255, 187, 200

Trichromacy



Original Color

197, 252, 106

Protanomaly

153, 235, 108

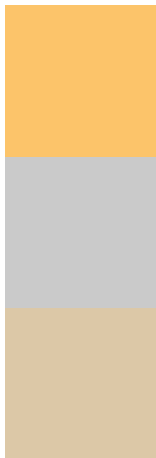
Deuteranomaly

197, 252, 106

Tritanomaly

254, 199, 166

Monochromacy



Original Color

197, 252, 106

Achromatopsia

202, 202, 202

Achromatomaly

199, 220, 167

CSS Examples

Text

The CSS property to change the color of the text to RYB 197, 252, 106 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(252, 196, 106) looks like.

```
.text, #text, p{  
    color:rgb(252, 196, 106)  
}
```

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(252, 196, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 196, 106) }
```

Border

The CSS property to change the border of an element to RYB 197, 252, 106 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(252, 196, 106) }
```

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

```
.border{ border-color:rgb(252, 196, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 196, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 196, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 196, 106);  
box-shadow:4px 4px 4px 4px rgb(252, 196,  
106) }
```

Background

The CSS property to change the background color of an element to RYB 197, 252, 106 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 196, 106) }
```

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

```
.background{ background-color: rgb(252,  
196, 106) }
```

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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