

Converting Colors

`RYB(177, 252, 102)`

Have a look what the booklet for
RYB(177, 252, 102) contains.

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Color

R_YB(177, 252, 102)

Conversions

Conversions Part 1

Format	Color
Hex	FCCA66
RGB	252, 202, 102
RGB Percent	99%, 79%, 40%
CMY	0.0118, 0.2078, 0.6000
CMYK	0.00, 0.20, 0.60, 0.01
HSL	40°, 96%, 69%
HSV	40°, 60%, 99%
XYZ	63.6637, 63.8958, 21.5481
YIQ	205.5500, 61.9000, -20.5000

Conversions

Conversions Part 2

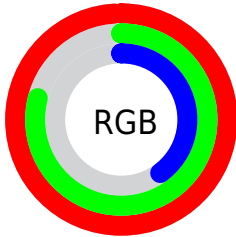
Format	Color
RYB	177, 252, 102
Decimal	16566886
CIELab	83.91, 6.82, 55.71
CIELCh	84, 56.127, 83.017
Yxy	63.8958, 0.4270, 0.4285
Android (android.graphics.Color)	4294756966 (0xFFFCCA66)
YUV	205.5500, -51.0502, 40.7366
Hunter-Lab	79.9349, 2.2794, 39.9716

Details

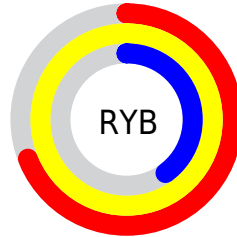
The RYB color **177, 252, 102** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **102, 140, 252**, and the grayscale version is **206, 206, 206**.

A 20% lighter version of the original color is **156, 255, 156**, and **113, 192, 49** is the 20% darker color. If you saturate the color by 10%, you get **164, 252, 77**, and if you desaturate by 10%, it is **190, 252, 127**.

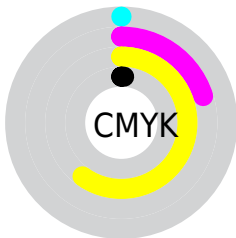
Distribution



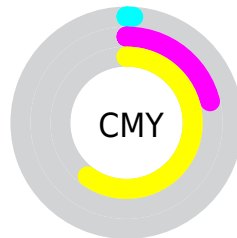
- Red (99%)
- Green (79%)
- Blue (40%)



- Red (69%)
- Yellow (99%)
- Blue (40%)



- Cyan (0%)
- Magenta (20%)
- Yellow (60%)
- Black (1%)



















- Cyan (1%)
- Magenta (21%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the RYB color 177, 252, 102 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 177, 252, 102 by changing the saturation by 10% instead.

 177, 252, 102	 177, 252, 102
 255, 255, 255	 145, 222, 76
 156, 255, 156	 113, 192, 49
 183, 255, 183	 76, 163, 20
 212, 255, 212	 49, 134, 0
 241, 255, 241	 48, 107, 0
	 41, 79, 0
	 38, 53, 0
	 29, 11, 0
	 0, 0, 0

■ 177, 252, 102

■ 177, 252, 102

■ 164, 252, 77

■ 190, 252, 127

■ 153, 252, 52

■ 201, 252, 152

■ 138, 252, 26

■ 216, 252, 178

■ 127, 252, 1

■ 227, 252, 203

■ 126, 252, 0

■ 240, 252, 228

■ 252, 252, 253

■ 252, 254, 255

Harmonies

Analogous

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



255, 228, 126



177, 252, 102



108, 219, 126

Triad

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



177, 252, 102



0, 121, 249



255, 180, 255

Complementary

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



177, 252, 102



102, 140, 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.



194, 199, 255



177, 252, 102



0, 121, 255

Square

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



177, 252, 102



24, 141, 236



85, 160, 255



255, 166, 224

Rectangle

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



177, 252, 102



129, 227, 196



85, 160, 255



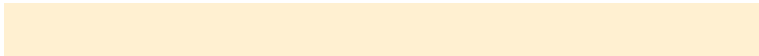
243, 186, 255

Sweetspot

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



177, 252, 102



231, 255, 209



252, 102, 152



114, 128, 99



0, 0, 0



128, 128, 128

Same Dimension

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



177, 252, 102



164, 255, 74



102, 252, 127



118, 125, 112



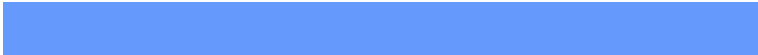
95, 189, 0



30, 61, 0

Inverse Universe

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



102, 140, 252



74, 119, 255



127, 102, 252



112, 116, 125



0, 47, 189



0, 15, 61

Previews

White Background



This preview shows how the RYB color 177, 252, 102 looks on a white background.

Color Contrast Check

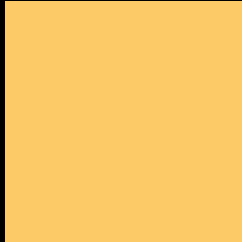
Large Text (above 18pt) WCAG AA × Fail

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 177, 252, 102 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](#).

R Y B 177, 252, 102 Background



This preview shows how black text looks on a background with the R Y B color 177, 252, 102.



This preview shows how white text looks on a background with the R Y B color 177, 252, 102.

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
177, 252, 102

Protanopia
131, 232, 104

Deuteranopia
204, 255, 114



Tritanopia
255, 193, 206

Trichromacy



Original Color

177, 252, 102

Protanomaly

145, 239, 103

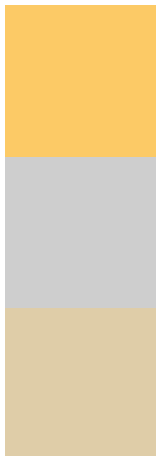
Deuteranomaly

194, 254, 110

Tritanomaly

254, 210, 168

Monochromacy



Original Color

177, 252, 102

Achromatopsia

206, 206, 206

Achromatomaly

195, 223, 168

CSS Examples

Text

The CSS property to change the color of the text to RYB 177, 252, 102 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, 202, 102)` looks like.

```
.text, #text, p{  
    color:rgb(252, 202, 102)  
}
```

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, 202, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 202, 102) }
```

Border

The CSS property to change the border of an element to RYB 177, 252, 102 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, 202, 102) }
```

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

```
.border{ border-color:rgb(252, 202, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 202, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 202, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 202, 102);  
box-shadow:4px 4px 4px 4px rgb(252, 202,  
102) }
```

Background

The CSS property to change the background color of an element to RYB 177, 252, 102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 202, 102) }
```

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

```
.background{ background-color: rgb(252,  
202, 102) }
```

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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