

Converting Colors

`RYB(196, 249, 108)`

Have a look what the booklet for
RYB(196, 249, 108) contains.

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Color

R_YB(196, 249, 108)

Conversions

Conversions Part 1

Format	Color
Hex	F9C36C
RGB	249, 195, 108
RGB Percent	98%, 76%, 42%
CMY	0.0235, 0.2360, 0.5765
CMYK	0.00, 0.22, 0.57, 0.02
HSL	37°, 92%, 70%
HSV	37°, 57%, 98%
XYZ	61.2477, 60.1705, 22.5733
YIQ	201.2280, 60.1110, -15.6090

Conversions

Conversions Part 2

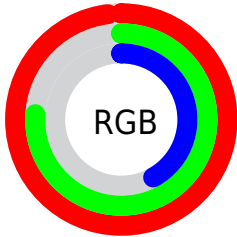
Format	Color
RYB	196, 249, 108
Decimal	16368492
CIELab	81.93, 9.76, 50.48
CIElCh	82, 51.410, 79.061
Yxy	60.1705, 0.4254, 0.4179
Android (android.graphics.Color)	4294558572 (0xFFFF9C36C)
YUV	201.2280, -45.9614, 41.8960
Hunter-Lab	77.5697, 5.1938, 37.0449

Details

The RYB color **196, 249, 108** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **108, 147, 249**, and the grayscale version is **202, 202, 202**.

A 20% lighter version of the original color is **165, 255, 161**, and **130, 189, 57** is the 20% darker color. If you saturate the color by 10%, you get **187, 249, 83**, and if you desaturate by 10%, it is **207, 249, 133**.

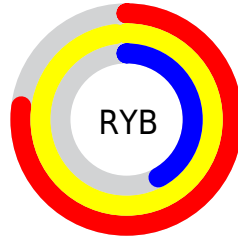
Distribution



Red (98%)

Green (76%)

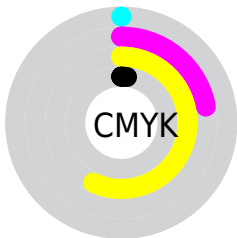
Blue (42%)



Red (77%)

Yellow (98%)

Blue (42%)

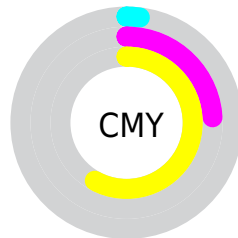


Cyan (0%)

Magenta (22%)

Yellow (57%)

Black (2%)



Cyan (2%)

Magenta (24%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the RYB color 196, 249, 108 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 196, 249, 108 by changing the saturation by 10% instead.

 196, 249, 108

255, 255, 255

 165, 255, 161

 189, 255, 189


 217, 255, 217

 246, 255, 246

 196, 249, 108

 163, 219, 82

 132, 189, 57

 98, 160, 31

 59, 132, 0

 55, 104, 0

 52, 77, 0

 51, 49, 0

 27, 0, 0

 0, 0, 0

196, 249, 108

196, 249, 108

187, 249, 83

207, 249, 133

176, 249, 58

215, 249, 158

168, 249, 33

223, 249, 183

157, 249, 8

234, 249, 208

156, 249, 0

243, 249, 233

249, 251, 255

249, 252, 255

Harmonies

Analogous

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



255, 204, 133



196, 249, 108



110, 210, 117

Triad

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



196, 249, 108



0, 116, 234



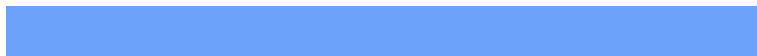
246, 180, 255

Complementary

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



196, 249, 108



108, 147, 249

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.



181, 195, 255



196, 249, 108



0, 119, 255

Square

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



196, 249, 108



73, 163, 228



83, 157, 255



255, 166, 223

Rectangle

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



196, 249, 108



127, 218, 178



83, 157, 255



227, 186, 255

Sweetspot

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



196, 249, 108



240, 255, 212



249, 108, 164



118, 128, 102



0, 0, 0



128, 128, 128

Same Dimension

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



196, 249, 108



191, 255, 82



108, 249, 122



120, 125, 112



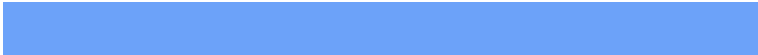
119, 189, 0



37, 61, 0

Inverse Universe

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



108, 147, 249



82, 130, 255



122, 108, 249



112, 116, 125



0, 53, 189



0, 17, 61

Previews

White Background



This preview shows how the RYB color 196, 249, 108 looks on a white background.

Color Contrast Check

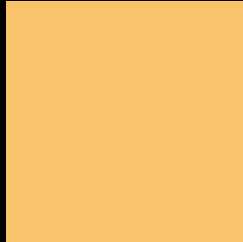
Large Text (above 18pt) WCAG AA × Fail

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 196, 249, 108 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 196, 249, 108 Background



This preview shows how black text looks on a background with the RYB color 196, 249, 108.



This preview shows how white text looks on a background with the RYB color 196, 249, 108.

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
196, 249, 108

Protanopia
135, 224, 111

Deuteranopia
200, 250, 108



Tritanopia
255, 185, 199

Trichromacy



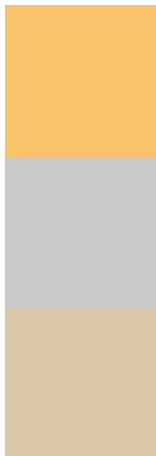
Original Color
196, 249, 108

Protanomaly
153, 233, 110

Deuteranomaly
200, 250, 108

Tritanomaly
253, 197, 166

Monochromacy



Original Color
196, 249, 108

Achromatopsia
201, 201, 201

Achromatomaly
197, 218, 167

CSS Examples

Text

The CSS property to change the color of the text to RYB 196, 249, 108 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(249, 195, 108)` looks like.

```
.text, #text, p{  
    color:rgb(249, 195, 108)  
}
```

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(249, 195, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 195, 108) }
```

Border

The CSS property to change the border of an element to RYB 196, 249, 108 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(249, 195, 108) }
```

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

```
.border{ border-color:rgb(249, 195, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 195, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 195, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 195, 108);  
box-shadow:4px 4px 4px 4px rgb(249, 195,  
108) }
```

Background

The CSS property to change the background color of an element to RYB 196, 249, 108 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 195, 108) }
```

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

```
.background{ background-color: rgb(249,  
195, 108) }
```

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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