

Converting Colors

`RYB(198, 242, 108)`

Have a look what the booklet for
RYB(198, 242, 108) contains.

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Color

R_YB(198, 242, 108)

Conversions

Conversions Part 1

Format	Color
Hex	F2BC6C
RGB	242, 188, 108
RGB Percent	95%, 74%, 42%
CMY	0.0510, 0.2621, 0.5765
CMYK	0.00, 0.22, 0.55, 0.05
HSL	36°, 84%, 69%
HSV	36°, 55%, 95%
XYZ	57.3423, 55.9951, 21.9732
YIQ	195.0260, 57.8640, -13.4320

Conversions

Conversions Part 2

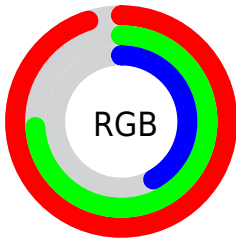
Format	Color
RYB	198, 242, 108
Decimal	15907948
CIELab	79.61, 10.37, 47.53
CIELCh	80, 48.653, 77.690
Yxy	55.9951, 0.4238, 0.4138
Android (android.graphics.Color)	4294098028 (0xFFFF2BC6C)
YUV	195.0260, -42.9038, 41.1962
Hunter-Lab	74.8299, 5.8327, 34.9709

Details

The RYB color **198, 242, 108** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **108, 146, 242**, and the grayscale version is **195, 195, 195**.

A 20% lighter version of the original color is **173, 255, 161**, and **135, 183, 57** is the 20% darker color. If you saturate the color by 10%, you get **192, 242, 84**, and if you desaturate by 10%, it is **205, 242, 132**.

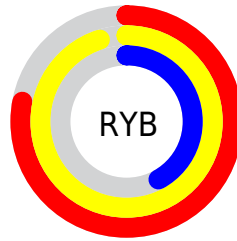
Distribution



Red (95%)

Green (74%)

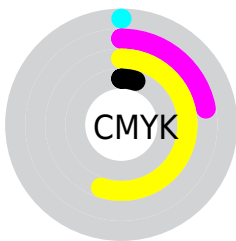
Blue (42%)



Red (78%)

Yellow (95%)

Blue (42%)

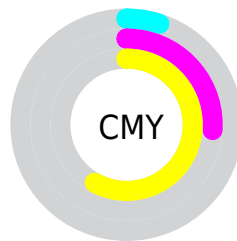


Cyan (0%)

Magenta (22%)

Yellow (55%)

Black (5%)



Cyan (5%)

Magenta (26%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the RYB color 198, 242, 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 198, 242, 108 by changing the saturation by 10% instead.

 198, 242, 108

 198, 242, 108


255, 255, 255

 166, 212, 82

 173, 255, 161

 135, 183, 57

 189, 255, 189

 101, 154, 32

 217, 255, 217

 60, 126, 1

 246, 255, 246

 59, 99, 0

 54, 72, 0


 46, 35, 0

 20, 0, 0

 0, 0, 0

 198, 242, 108

 198, 242, 108

 192, 242, 84

 205, 242, 132

 182, 242, 60

 212, 242, 156

 174, 242, 35

 223, 242, 181

 167, 242, 11

 230, 242, 205

 162, 242, 0

 237, 242, 229

 242, 245, 253

 242, 249, 255

Harmonies

Analogous

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



255, 191, 132



198, 242, 108



109, 203, 113

Triad

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



198, 242, 108



0, 111, 223



235, 175, 255

Complementary

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



198, 242, 108



108, 146, 242

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.



173, 189, 255



198, 242, 108



0, 117, 255

Square

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



198, 242, 108



81, 164, 220



83, 155, 255



255, 163, 218

Rectangle

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



198, 242, 108



123, 211, 168



83, 155, 255



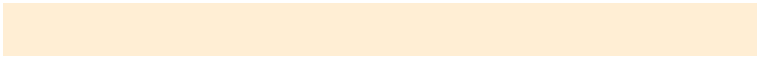
217, 181, 255

Sweetspot

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



198, 242, 108



240, 255, 212



242, 108, 164



121, 128, 102



0, 0, 0



128, 128, 128

Same Dimension

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



198, 242, 108



201, 255, 87



108, 242, 119



117, 120, 108



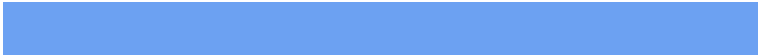
124, 184, 0



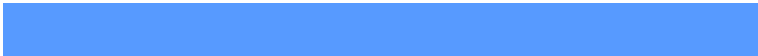
36, 56, 0

Inverse Universe

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



108, 146, 242



87, 135, 255



119, 108, 242



108, 112, 120



0, 53, 184



0, 16, 56

Previews

White Background



This preview shows how the RYB color 198, 242, 108 looks on a white background.

Color Contrast Check

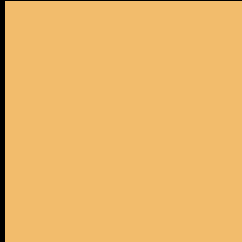
Large Text (above 18pt) WCAG AA × Fail

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 198, 242, 108 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

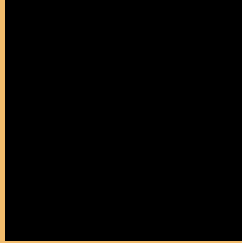
Any Text WCAG AA ✓ Pass

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 198, 242, 108 Background



This preview shows how black text looks on a background with the RYB color 198, 242, 108.



This preview shows how white text looks on a background with the RYB color 198, 242, 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
198, 242, 108

Protanopia
134, 217, 111

Deuteranopia
198, 242, 108



Tritanopia
249, 178, 192

Trichromacy



Original Color

198, 242, 108

Protanomaly

154, 226, 110

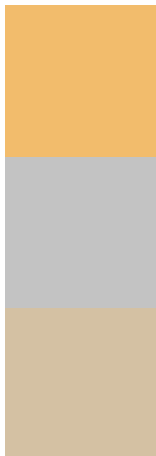
Deuteranomaly

198, 242, 108

Tritanomaly

246, 189, 161

Monochromacy



Original Color

198, 242, 108

Achromatopsia

195, 195, 195

Achromatomaly

194, 212, 163

CSS Examples

Text

The CSS property to change the color of the text to RYB 198, 242, 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(242, 188, 108)` looks like.

```
.text, #text, p{  
    color:rgb(242, 188, 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(242, 188, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 188, 108) }
```

Border

The CSS property to change the border of an element to RYB 198, 242, 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(242, 188, 108) }
```

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

```
.border{ border-color:rgb(242, 188, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 188, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 188, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 188, 108);  
box-shadow:4px 4px 4px 4px rgb(242, 188,  
108) }
```

Background

The CSS property to change the background color of an element to RYB 198, 242, 108 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 188, 108) }
```

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

```
.background{ background-color: rgb(242,  
188, 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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