

Converting Colors

`RYB(235, 245, 142)`

Have a look what the booklet for
RYB(235, 245, 142) contains.

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Color

R_YB(235, 245, 142)

Conversions

Conversions Part 1

Format	Color
Hex	F5C48E
RGB	245, 196, 142
RGB Percent	96%, 77%, 56%
CMY	0.0392, 0.2309, 0.4431
CMYK	0.00, 0.20, 0.42, 0.04
HSL	32°, 84%, 76%
HSV	32°, 42%, 96%
XYZ	62.3074, 60.9029, 34.0627
YIQ	204.4950, 46.5380, -6.4060

Conversions

Conversions Part 2

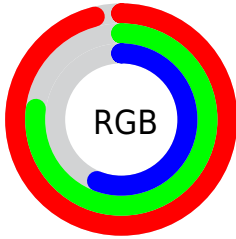
Format	Color
R _Y B	235, 245, 142
Decimal	16106638
CIE Lab	82.33, 10.53, 33.76
CIE LCh	82, 35.362, 72.682
Yxy	60.9029, 0.3962, 0.3872
Android (android.graphics.Color)	4294296718 (0xFFFF5C48E)
YUV	204.4950, -30.8100, 35.5229
Hunter-Lab	78.0403, 5.9439, 28.7496

Details

The RYB color **235, 245, 142** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **142, 175, 245**, and the grayscale version is **205, 205, 205**.

A 20% lighter version of the original color is **198, 255, 196**, and **176, 187, 91** is the 20% darker color. If you saturate the color by 10%, you get **232, 245, 118**, and if you desaturate by 10%, it is **237, 245, 167**.

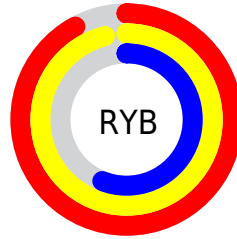
Distribution



Red (96%)

Green (77%)

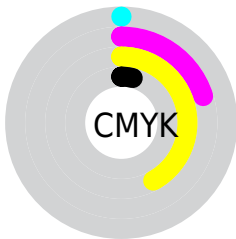
Blue (56%)



Red (92%)

Yellow (96%)

Blue (56%)

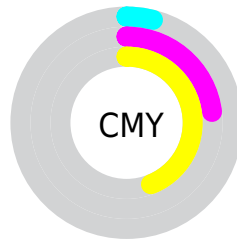


Cyan (0%)

Magenta (20%)

Yellow (42%)

Black (4%)



Cyan (4%)

Magenta (23%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the RYB color 235, 245, 142 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 235, 245, 142 by changing the saturation by 10% instead.

 235, 245, 142

 235, 245, 142

255, 255, 255

 205, 216, 116

 198, 255, 196


 176, 187, 91

 224, 255, 224

 144, 159, 67

253, 255, 253

 113, 131, 43

 80, 104, 20

 54, 78, 0

 53, 51, 0

 29, 0, 0


 0, 0, 0

 235, 245, 142


 235, 245, 142

 232, 245, 118


 237, 245, 167

 230, 245, 93

 241, 245, 191

 230, 245, 69

 243, 245, 216

 224, 245, 44

 243, 245, 240

 224, 245, 20

 245, 250, 255

 220, 245, 0

 245, 250, 255

Harmonies

Analogous

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



255, 195, 161



235, 245, 142



148, 214, 140

Triad

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



235, 245, 142



104, 165, 223



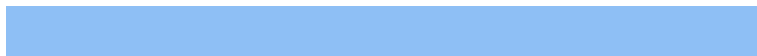
227, 191, 254

Complementary

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



235, 245, 142



142, 175, 245

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.



182, 198, 255



235, 245, 142



99, 166, 249

Square

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



235, 245, 142



138, 192, 222



133, 182, 255



255, 182, 225

Rectangle

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



235, 245, 142



148, 214, 172



133, 182, 255



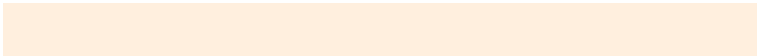
213, 195, 255

Sweetspot

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



235, 245, 142



253, 255, 222



245, 142, 192



126, 128, 107



0, 0, 0



128, 128, 128

Same Dimension

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



235, 245, 142



242, 255, 128



142, 245, 144



119, 122, 110



167, 186, 0



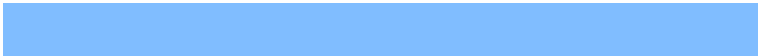
53, 59, 0

Inverse Universe

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



142, 175, 245



128, 169, 255



144, 142, 245



110, 114, 122



0, 60, 186



0, 19, 59

Previews

White Background



This preview shows how the RYB color 235, 245, 142 looks on a white background.

Color Contrast Check

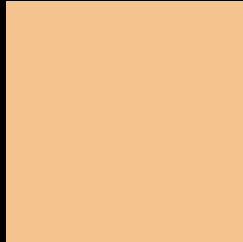
Large Text (above 18pt) WCAG AA × Fail

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 235, 245, 142 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

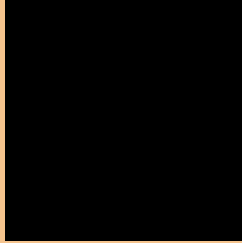
Any Text WCAG AA ✓ Pass

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 235, 245, 142 Background



This preview shows how black text looks on a background with the RYB color 235, 245, 142.



This preview shows how white text looks on a background with the RYB color 235, 245, 142.

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
235, 245, 142

Protanopia
166, 221, 146

Deuteranopia
235, 245, 142



Tritanopia
251, 188, 203

Trichromacy



Original Color

235, 245, 142

Protanomaly

187, 230, 145

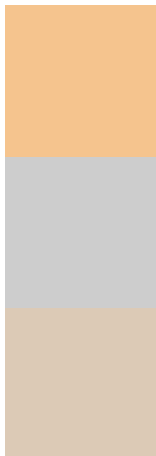
Deuteranomaly

235, 245, 142

Tritanomaly

249, 193, 181

Monochromacy



Original Color

235, 245, 142

Achromatopsia

205, 205, 205

Achromatomaly

216, 220, 182

CSS Examples

Text

The CSS property to change the color of the text to RYB 235, 245, 142 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(245, 196, 142)` looks like.

```
.text, #text, p{  
    color:rgb(245, 196, 142)  
}
```

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(245, 196, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 196, 142) }
```

Border

The CSS property to change the border of an element to RYB 235, 245, 142 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(245, 196, 142) }
```

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

```
.border{ border-color:rgb(245, 196, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 196, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 196, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 196, 142);  
box-shadow:4px 4px 4px 4px rgb(245, 196,  
142) }
```

Background

The CSS property to change the background color of an element to RGB 245, 196, 142 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 196, 142) }
```

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

```
.background{ background-color: rgb(245,  
196, 142) }
```

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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