

Converting Colors

`RYB(245, 229, 158)`

Have a look what the booklet for
RYB(245, 229, 158) contains.

RYB(245, 229, 158)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(245, 229, 158)

Conversions

Conversions Part 1

Format	Color
Hex	F5C59E
RGB	245, 197, 158
RGB Percent	96%, 77%, 62%
CMY	0.0392, 0.2271, 0.3804
CMYK	0.00, 0.20, 0.36, 0.04
HSL	27°, 81%, 79%
HSV	27°, 36%, 96%
XYZ	63.8156, 61.8567, 40.9239
YIQ	206.9060, 41.1270, -1.9530

Conversions

Conversions Part 2

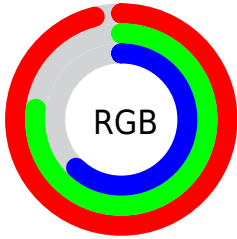
Format	Color
RYB	245, 229, 158
Decimal	16106910
CIELab	82.84, 11.80, 26.07
CIElCh	83, 28.621, 65.648
Yxy	61.8567, 0.3831, 0.3713
Android (android.graphics.Color)	4294296990 (0xFFFF5C59E)
YUV	206.9060, -24.1107, 33.4084
Hunter-Lab	78.6491, 7.1984, 24.2037

Details

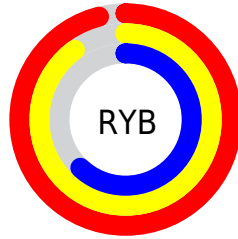
The RYB color **245, 229, 158** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **158, 189, 245**, and the grayscale version is **207, 207, 207**.

A 20% lighter version of the original color is **214, 255, 213**, and **187, 174, 106** is the 20% darker color. If you saturate the color by 10%, you get **245, 225, 134**, and if you desaturate by 10%, it is **245, 234, 183**.

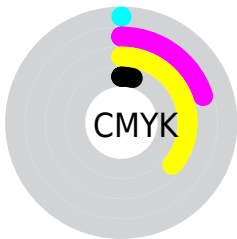
Distribution



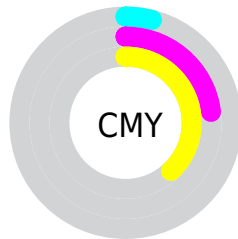
- Red (96%)
- Green (77%)
- Blue (62%)



- Red (96%)
- Yellow (90%)
- Blue (62%)



- Cyan (0%)
- Magenta (20%)
- Yellow (36%)
- Black (4%)



- Cyan (4%)
- Magenta (23%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the RYB color 245, 229, 158 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 245, 229, 158 by changing the saturation by 10% instead.

 245, 229, 158

255, 255, 255

 214, 255, 213

 241, 255, 241

 245, 229, 158


 216, 201, 132

 187, 174, 106

 159, 150, 82

 132, 124, 58

 105, 99, 36

 80, 78, 15

 55, 49, 0

 32, 1, 0

 0, 0, 0

 245, 229, 158


 245, 229, 158

 245, 225, 134


 245, 234, 183

 245, 220, 109


 245, 238, 207

 245, 216, 85


 245, 243, 232

 245, 211, 60

 245, 249, 255

 245, 207, 36

 245, 250, 255

 245, 201, 11

 245, 200, 0

Harmonies

Analogous

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



255, 193, 176



245, 229, 158



172, 221, 153

Triad

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



245, 229, 158



136, 182, 222



217, 198, 250

Complementary

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



245, 229, 158



158, 189, 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.



180, 200, 255



245, 229, 158



128, 178, 237

Square

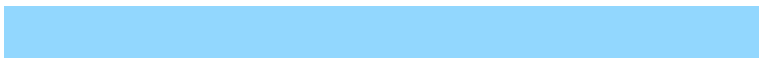
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



245, 229, 158



161, 203, 219



146, 188, 254



245, 190, 229

Rectangle

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



245, 229, 158



157, 212, 167



146, 188, 254



205, 201, 255

Sweetspot

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



245, 229, 158



255, 251, 227



245, 158, 207



128, 123, 111



0, 0, 0



128, 128, 128

Same Dimension

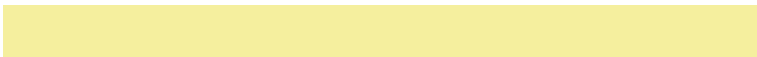
The Same Dimension uses a secret algorithm to generate beautiful new colors.



245, 229, 158



255, 237, 145



164, 245, 158



122, 122, 110



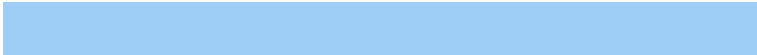
186, 153, 0



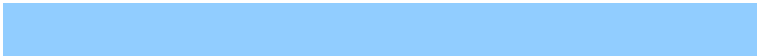
59, 46, 0

Inverse Universe

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



158, 189, 245



145, 184, 255



158, 164, 245



110, 114, 122



0, 66, 186



0, 21, 59

Previews

White Background



This preview shows how the RYB color 245, 229, 158 looks on a white background.

Color Contrast Check

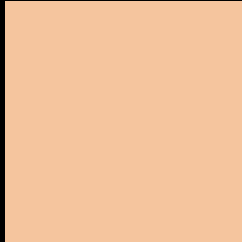
Large Text (above 18pt) WCAG AA × Fail

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 245, 229, 158 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

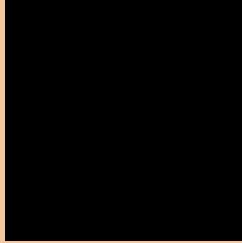
Any Text WCAG AA ✓ Pass

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 245, 229, 158 Background



This preview shows how black text looks on a background with the RYB color 245, 229, 158.



This preview shows how white text looks on a background with the RYB color 245, 229, 158.

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
245, 229, 158

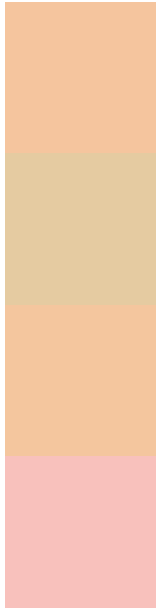
Protanopia
180, 220, 162

Deuteranopia
243, 234, 158



Tritanopia
250, 191, 205

Trichromacy



Original Color
245, 229, 158

Protanomaly
203, 229, 161

Deuteranomaly
244, 233, 158

Tritanomaly
248, 193, 188

Monochromacy



Original Color
245, 229, 158

Achromatopsia
207, 207, 207

Achromatomaly
221, 214, 189

CSS Examples

Text

The CSS property to change the color of the text to RYB 245, 229, 158 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, 197, 158)` looks like.

```
.text, #text, p{  
    color:rgb(245, 197, 158)  
}
```

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, 197, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 197, 158) }
```

Border

The CSS property to change the border of an element to RYB 245, 229, 158 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, 197, 158) }
```

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

```
.border{ border-color:rgb(245, 197, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 197, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 197, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 197, 158);  
box-shadow:4px 4px 4px 4px rgb(245, 197,  
158) }
```

Background

The CSS property to change the background color of an element to RYB 245, 229, 158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 197, 158) }
```

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

```
.background{ background-color: rgb(245,  
197, 158) }
```

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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