

Converting Colors

`RYB(235, 235, 159)`

Have a look what the booklet for
RYB(235, 235, 159) contains.

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Color

R_YB(235, 235, 159)

Conversions

Conversions Part 1

Format	Color
Hex	EBC59F
RGB	235, 197, 159
RGB Percent	92%, 77%, 62%
CMY	0.0784, 0.2275, 0.3765
CMYK	0.00, 0.16, 0.32, 0.08
HSL	30°, 66%, 77%
HSV	30°, 32%, 92%
XYZ	60.4852, 60.0979, 41.2130
YIQ	204.0300, 34.8460, -3.7620

Conversions

Conversions Part 2

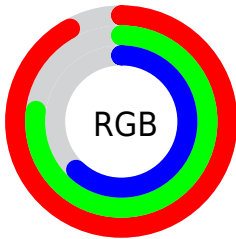
Format	Color
R_{YB}	235, 235, 159
Decimal	15451551
CIE _{Lab}	81.89, 8.13, 24.10
CIE _{LCh}	82, 25.438, 71.371
Yxy	60.0979, 0.3738, 0.3714
Android (android.graphics.Color)	4293641631 (0xFFEBC59F)
YUV	204.0300, -22.1998, 27.1607
Hunter-Lab	77.5228, 3.6052, 22.7460

Details

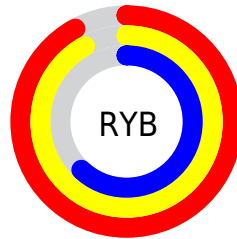
The RYB color **235, 235, 159** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **159, 184, 235**, and the grayscale version is **204, 204, 204**.

A 20% lighter version of the original color is **215, 255, 214**, and **176, 178, 107** is the 20% darker color. If you saturate the color by 10%, you get **235, 233, 136**, and if you desaturate by 10%, it is **235, 235, 183**.

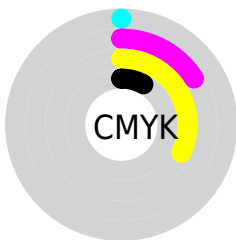
Distribution



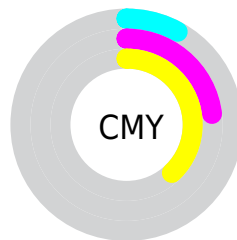
- Red (92%)
- Green (77%)
- Blue (62%)



- Red (92%)
- Yellow (92%)
- Blue (62%)



- Cyan (0%)
- Magenta (16%)
- Yellow (32%)
- Black (8%)



- Cyan (8%)
- Magenta (23%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the RYB color 235, 235, 159 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, 235, 159 by changing the saturation by 10% instead.

 235, 235, 159

 235, 235, 159

255, 255, 255


 204, 206, 133

 215, 255, 214

 176, 178, 107

 242, 255, 242

 147, 151, 83

 118, 124, 59

 92, 98, 37

 64, 73, 16

 43, 49, 0

 25, 0, 0

 0, 0, 0

 235, 235, 159

 235, 235, 159

 235, 233, 136


 235, 235, 183

 233, 235, 112


 233, 235, 206

 235, 235, 89


 235, 233, 230

 235, 235, 65

 235, 241, 253

 235, 233, 42

 235, 245, 255

 233, 235, 18

 233, 235, 0

Harmonies

Analogous

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



250, 195, 173



235, 235, 159



165, 212, 157

Triad

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



235, 235, 159



140, 180, 217



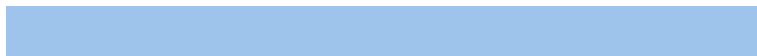
219, 194, 239

Complementary

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



235, 235, 159



159, 184, 235

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.



188, 200, 250



235, 235, 159



138, 181, 234

Square

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



235, 235, 159



159, 197, 216



157, 190, 248



242, 188, 219

Rectangle

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



235, 235, 159



163, 210, 179



157, 190, 248



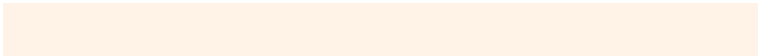
209, 197, 244

Sweetspot

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



235, 235, 159



255, 253, 230



235, 159, 197



128, 128, 112



0, 0, 0



128, 128, 128

Same Dimension

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



235, 235, 159



255, 253, 156



159, 235, 159



117, 115, 106



179, 181, 0



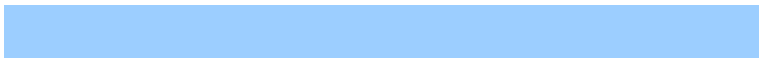
54, 54, 0

Inverse Universe

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



159, 184, 235



156, 189, 255



159, 159, 235



106, 109, 117



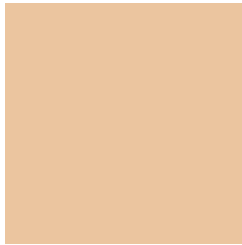
0, 61, 181



0, 18, 54

Previews

White Background



This preview shows how the RYB color 235, 235, 159 looks on a white background.

Color Contrast Check

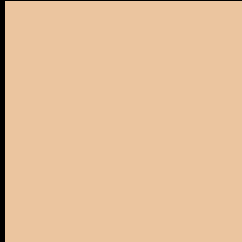
Large Text (above 18pt) WCAG AA × Fail

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, 235, 159 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

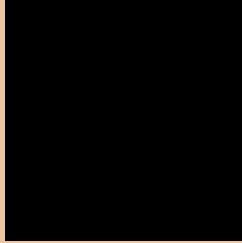
Any Text WCAG AA ✓ Pass

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, 235, 159 Background



This preview shows how black text looks on a background with the RYB color 235, 235, 159.




This preview shows how white text looks on a background with the RYB color 235, 235, 159.

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](#).

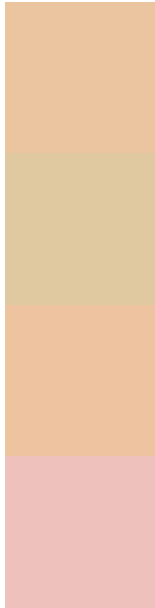
Dichromacy

	Original Color 235, 235, 159
	Protanopia 181, 217, 162
	Deuteranopia 238, 229, 159



Tritanopia
240, 191, 205

Trichromacy



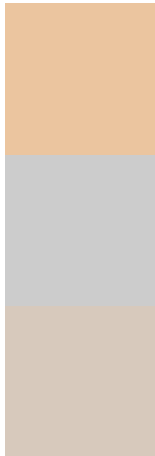
Original Color
235, 235, 159

Protanomaly
197, 224, 161

Deuteranomaly
237, 229, 159

Tritanomaly
238, 194, 188

Monochromacy



Original Color
235, 235, 159

Achromatopsia
204, 204, 204

Achromatomaly
215, 213, 188

CSS Examples

Text

The CSS property to change the color of the text to RYB 235, 235, 159 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(235, 197, 159)` looks like.

```
.text, #text, p{  
    color:rgb(235, 197, 159)  
}
```

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(235, 197, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 197, 159) }
```

Border

The CSS property to change the border of an element to RYB 235, 235, 159 is called "border". The border property can be set on classes, ids or directly on the HTML element.

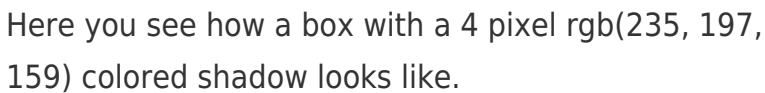
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(235, 197, 159) }
```

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

```
.border{ border-color:rgb(235, 197, 159) }
```

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



Here you see how a box with a 4 pixel `rgb(235, 197, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(235, 197, 159); -webkit-box-shadow:4px 4px 4px 4px rgb(235, 197, 159); box-shadow:4px 4px 4px 4px rgb(235, 197, 159) }
```

Background

The CSS property to change the background color of an element to RYB 235, 235, 159 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 197, 159) }
```

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

```
.background{ background-color: rgb(235,  
197, 159) }
```

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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