

# Converting Colors

`RYB(235, 249, 185)`

Have a look what the booklet for  
RYB(235, 249, 185) contains.

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# **Color**

**R<sub>Y</sub>B(235, 249, 185)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F9DDB9
RGB	249, 221, 185
RGB Percent	98%, 87%, 73%
CMY	0.0235, 0.1336, 0.2745
CMYK	0.00, 0.11, 0.26, 0.02
HSL	34°, 84%, 85%
HSV	34°, 26%, 98%
XYZ	73.6618, 75.3184, 56.5544
YIQ	225.2680, 28.2440, -5.2600

# Conversions

## Conversions Part 2

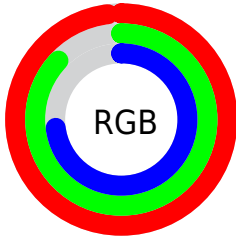
Format	Color
R <sub>Y</sub> B	235, 249, 185
Decimal	16375225
CIE Lab	89.54, 4.35, 21.20
CIE LCh	90, 21.643, 78.401
Yxy	75.3184, 0.3584, 0.3665
Android (android.graphics.Color)	4294565305 (0xFFF9DDB9)
YUV	225.2680, -19.8521, 20.8130
Hunter-Lab	86.7862, -0.3697, 22.1138

# Details

The RYB color **235, 249, 185** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **185, 204, 249**, and the grayscale version is **225, 225, 225**.

A 20% lighter version of the original color is **241, 255, 241**, and **178, 192, 132** is the 20% darker color. If you saturate the color by 10%, you get **229, 249, 160**, and if you desaturate by 10%, it is **240, 249, 210**.

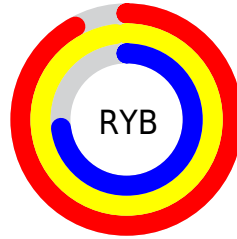
# Distribution



Red (98%)

Green (87%)

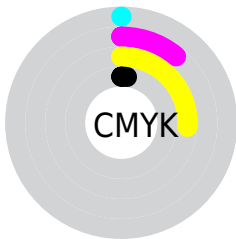
Blue (73%)



Red (92%)

Yellow (98%)

Blue (73%)

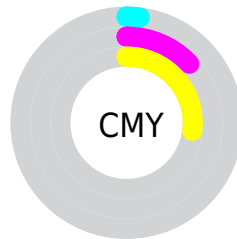


Cyan (0%)

Magenta (11%)

Yellow (26%)

Black (2%)



Cyan (2%)

Magenta (13%)

Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 235, 249, 185 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, 249, 185 by changing the saturation by 10% instead.



 235, 249, 185

255, 255, 255

 241, 255, 241

 235, 249, 185


 206, 220, 158

 178, 192, 132

 147, 164, 106

 122, 137, 82

 94, 111, 59

 71, 86, 37

 46, 62, 16

 24, 39, 0

 6, 0, 0

235, 249, 185

235, 249, 185

229, 249, 160

240, 249, 210

224, 249, 135

246, 249, 235

219, 249, 110

249, 252, 255

213, 249, 85

249, 252, 255

210, 249, 61

204, 249, 36

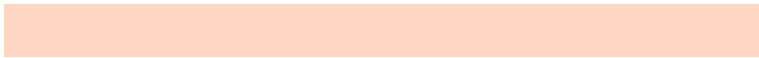
199, 249, 11

194, 249, 0

# Harmonies

## Analogous

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



255, 225, 195



235, 249, 185



186, 228, 186

# Triad

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



235, 249, 185



171, 204, 237



244, 216, 253

# Complementary

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



235, 249, 185



185, 204, 249

# Split Complementary

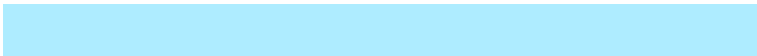
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



218, 222, 255



235, 249, 185



174, 209, 255

# Square

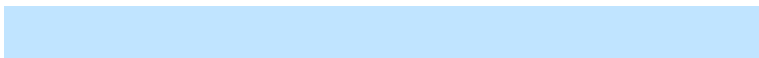
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



235, 249, 185



183, 217, 237



192, 215, 255



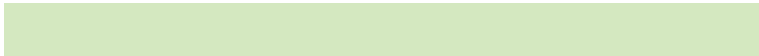
255, 211, 234

# Rectangle

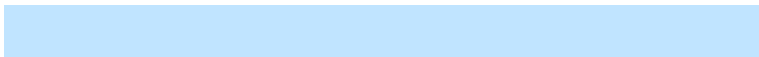
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



235, 249, 185



192, 232, 212



192, 215, 255



236, 218, 255



# Sweetspot

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



235, 249, 185



251, 255, 235



249, 185, 214



126, 128, 115



0, 0, 0



128, 128, 128



# Same Dimension

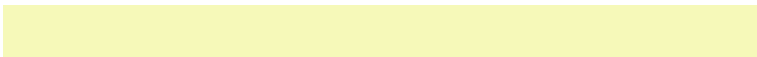
The Same Dimension uses a secret algorithm to generate beautiful new colors.



235, 249, 185



239, 255, 176



185, 249, 188



123, 125, 112



148, 189, 0



48, 61, 0

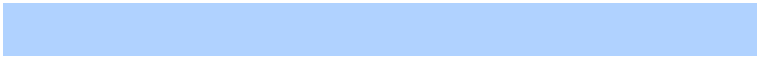


# Inverse Universe

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



185, 204, 249



176, 200, 255



188, 185, 249



112, 116, 125



0, 58, 189



0, 19, 61



# Previews

## White Background



This preview shows how the RYB color 235, 249, 185 looks on a white background.

## Color Contrast Check

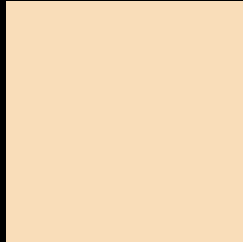
Large Text (above 18pt) WCAG AA × Fail

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, 249, 185 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

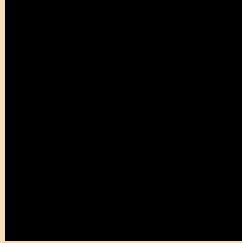
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

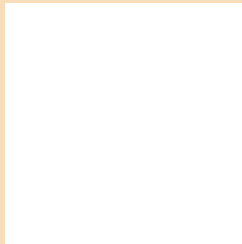
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## **RYB 235, 249, 185 Background**



This preview shows how black text looks on a background with the RYB color 235, 249, 185.

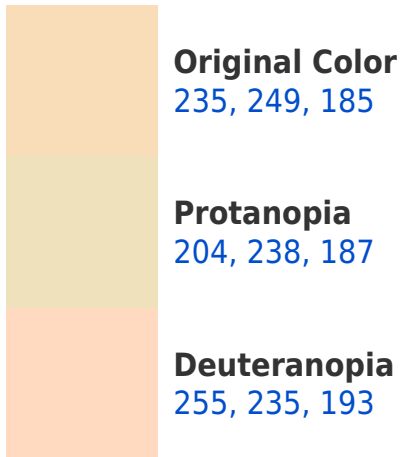


This preview shows how white text looks on a background with the RYB color 235, 249, 185.

# 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](#).

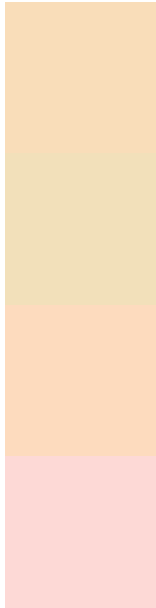
## Dichromacy





**Tritanopia**  
255, 214, 231

# Trichromacy



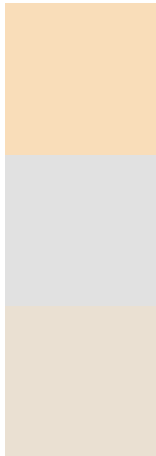
**Original Color**  
235, 249, 185

**Protanomaly**  
213, 242, 186

**Deuteranomaly**  
253, 244, 190

**Tritanomaly**  
253, 217, 214

# Monochromacy



**Original Color**  
235, 249, 185

**Achromatopsia**  
225, 225, 225

**Achromatomaly**  
227, 234, 210

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 235, 249, 185 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, 221, 185) looks like.

```
.text, #text, p{  
    color:rgb(249, 221, 185)  
}
```

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, 221, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 221, 185) }
```

## Border

The CSS property to change the border of an element to RYB 235, 249, 185 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, 221, 185) }
```

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

```
.border{ border-color:rgb(249, 221, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 221, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 221, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 221, 185);  
box-shadow:4px 4px 4px 4px rgb(249, 221,  
185) }
```

# Background

The CSS property to change the background color of an element to RGB 235, 249, 185 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 221, 185) }
```

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

```
.background{ background-color: rgb(249,  
221, 185) }
```

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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