

# Converting Colors

`RYB(213, 234, 216)`

Have a look what the booklet for  
RYB(213, 234, 216) contains.

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# **Color**

**R<sub>Y</sub>B(213, 234, 216)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E7EAD5
RGB	231, 234, 213
RGB Percent	91%, 92%, 84%
CMY	0.0941, 0.0824, 0.1647
CMYK	0.01, 0.00, 0.09, 0.08
HSL	69°, 33%, 88%
HSV	69°, 9%, 92%
XYZ	74.3881, 80.6387, 74.5949
YIQ	230.7090, 4.9530, -7.1670

# Conversions

## Conversions Part 2

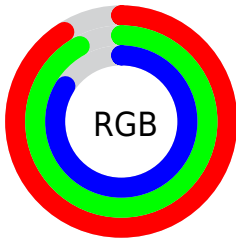
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	213, 234, 216
Decimal	15198933
CIE Lab	91.97, -4.61, 9.85
CIE LCh	92, 10.872, 115.105
Yxy	80.6387, 0.3240, 0.3512
Android (android.graphics.Color)	4293389013 (0xFFE7EAD5)
YUV	230.7090, -8.7305, 0.2552
Hunter-Lab	89.7990, -9.2818, 13.6079

# Details

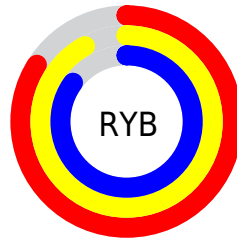
The RYB color **213, 234, 216** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **216, 213, 234**, and the grayscale version is **231, 231, 231**.

A 20% lighter version of the original color is 255, 255, 255, and **158, 178, 161** is the 20% darker color. If you saturate the color by 10%, you get **190, 234, 196**, and if you desaturate by 10%, it is **234, 234, 236**.

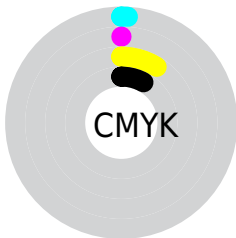
# Distribution



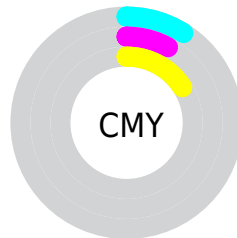
- Red (91%)
- Green (92%)
- Blue (84%)



- Red (84%)
- Yellow (92%)
- Blue (85%)



- Cyan (1%)
- Magenta (0%)
- Yellow (9%)
- Black (8%)



- Cyan (9%)
- Magenta (8%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 213, 234, 216 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 213, 234, 216 by changing the saturation by 10% instead.



■ 213, 234, 216

255, 255, 255

■ 213, 234, 216

■ 185, 206, 188

■ 158, 178, 161

■ 132, 152, 135

■ 107, 126, 110

■ 83, 101, 86

■ 60, 77, 63

■ 38, 54, 41

■ 17, 33, 20

■ 0, 10, 10

 213, 234, 216

 213, 234, 216

 190, 234, 196

 234, 234, 236

 166, 234, 176

 238, 234, 255

 143, 234, 156

 241, 234, 255

 119, 234, 135

 244, 234, 255

 96, 234, 116

 248, 234, 255

 73, 234, 96

 251, 234, 255

 49, 234, 75

 254, 234, 255

 26, 234, 56

 255, 234, 255

 2, 234, 35

# Harmonies

## Analogous

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



230, 243, 211



213, 234, 216



219, 236, 237

# Triad

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



213, 234, 216



210, 226, 249



252, 225, 234

# Complementary

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



213, 234, 216



216, 213, 234

# Split Complementary

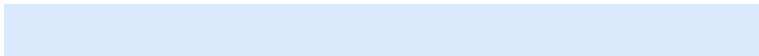
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



244, 227, 244



213, 234, 216



219, 229, 252

# Square

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



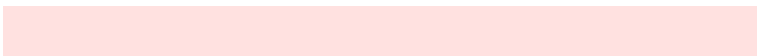
213, 234, 216



206, 222, 240



232, 230, 251



255, 225, 224

# Rectangle

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



213, 234, 216



212, 229, 238



232, 230, 251



250, 225, 238



# Sweetspot

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



213, 234, 216



247, 255, 248



234, 217, 213



122, 128, 123



0, 0, 0



128, 128, 128

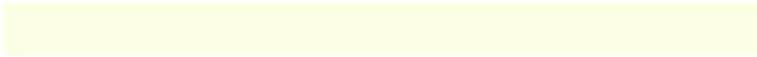


# Same Dimension

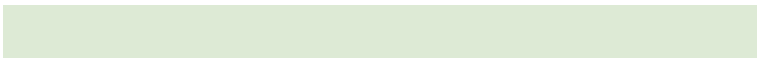
The Same Dimension uses a secret algorithm to generate beautiful new colors.



213, 234, 216



227, 255, 231



213, 234, 226



106, 117, 107



0, 181, 26



0, 54, 8



# Inverse Universe

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



216, 213, 234



231, 227, 255



226, 213, 234



107, 106, 117



26, 0, 181

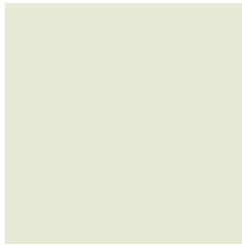


8, 0, 54



# Previews

## White Background



This preview shows how the RYB color 213, 234, 216 looks on a white background.

## Color Contrast Check

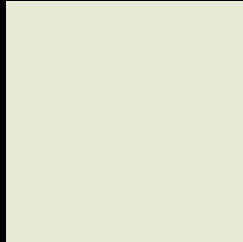
Large Text (above 18pt) WCAG AA × Fail

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 213, 234, 216 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

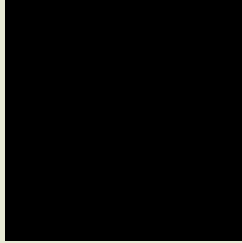
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

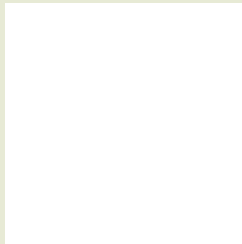
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## **RYB 213, 234, 216 Background**



This preview shows how black text looks on a background with the RYB color 213, 234, 216.



This preview shows how white text looks on a background with the RYB color 213, 234, 216.

# 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

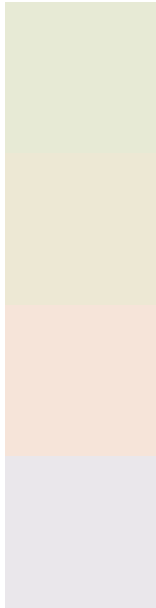




# Tritanopia

236, 229, 247

# Trichromacy



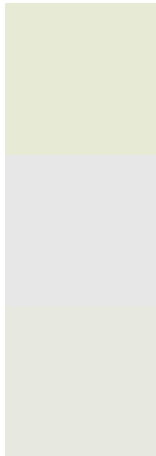
**Original Color**  
213, 234, 216

**Protanomaly**  
218, 237, 212

**Deuteranomaly**  
246, 235, 217

**Tritanomaly**  
234, 231, 235

# Monochromacy



**Original Color**  
213, 234, 216

**Achromatopsia**  
231, 231, 231

**Achromatomaly**  
224, 232, 225

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 213, 234, 216 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(231, 234, 213)` looks like.

```
.text, #text, p{  
    color:rgb(231, 234, 213)  
}
```

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(231, 234, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 234, 213) }
```

## Border

The CSS property to change the border of an element to RYB 213, 234, 216 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(231, 234, 213) }
```

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

```
.border{ border-color:rgb(231, 234, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 234, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 234, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 234, 213);  
box-shadow:4px 4px 4px 4px rgb(231, 234,  
213) }
```

# Background

The CSS property to change the background color of an element to RGB 231, 234, 213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 234, 213) }
```

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

```
.background{ background-color: rgb(231,  
234, 213) }
```

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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