

# Converting Colors

`RYB(214, 244, 216)`

Have a look what the booklet for  
RYB(214, 244, 216) contains.

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# **Color**

**R<sub>Y</sub>B(214, 244, 216)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F2F4D6
RGB	242, 244, 214
RGB Percent	95%, 96%, 84%
CMY	0.0510, 0.0431, 0.1608
CMYK	0.01, 0.00, 0.12, 0.04
HSL	64°, 58%, 90%
HSV	64°, 12%, 96%
XYZ	81.1062, 88.4337, 76.4130
YIQ	239.9820, 8.4380, -9.7540

# Conversions

## Conversions Part 2

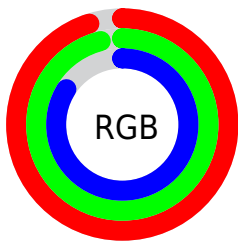
Format	Color
<a href="#">RYB</a>	<a href="#">214, 244, 216</a>
Decimal	<a href="#">15922390</a>
CIELab	<a href="#">95.34, -5.68, 14.24</a>
CIELCh	<a href="#">95, 15.329, 111.735</a>
Yxy	<a href="#">88.4337, 0.3298, 0.3596</a>
Android (android.graphics.Color)	<a href="#">4294112470 (0xFFFF2F4D6)</a>
YUV	<a href="#">239.9820, -12.8091, 1.7698</a>
Hunter-Lab	<a href="#">94.0392, -10.6171, 17.6504</a>

# Details

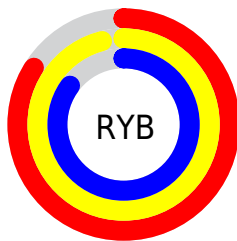
The RYB color **214, 244, 216** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **216, 214, 244**, and the grayscale version is **240, 240, 240**.

A 20% lighter version of the original color is 255, 255, 255, and **159, 188, 161** is the 20% darker color. If you saturate the color by 10%, you get **190, 244, 194**, and if you desaturate by 10%, it is **238, 244, 238**.

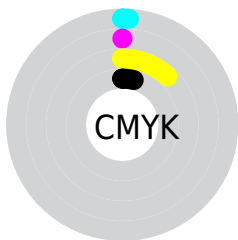
# Distribution



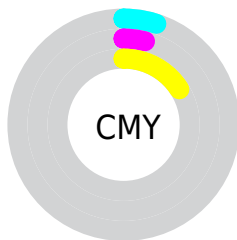
- Red (95%)
- Green (96%)
- Blue (84%)



- Red (84%)
- Yellow (96%)
- Blue (85%)



- Cyan (1%)
- Magenta (0%)
- Yellow (12%)
- Black (4%)



- Cyan (5%)
- Magenta (4%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 214, 244, 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 214, 244, 216 by changing the saturation by 10% instead.



214, 244, 216

255, 255, 255

214, 244, 216

186, 216, 188

159, 188, 161

133, 161, 135

108, 135, 110

83, 109, 85

60, 85, 62

38, 62, 41

18, 40, 21

0, 20, 5

 214, 244, 216

 214, 244, 216

 190, 244, 194

 238, 244, 238

 165, 244, 170

 245, 244, 255

 141, 244, 148

 247, 244, 255

 116, 244, 125

 249, 244, 255

 92, 244, 102

 250, 244, 255

 68, 244, 80

 252, 244, 255

 43, 244, 56

 253, 244, 255

 19, 244, 34

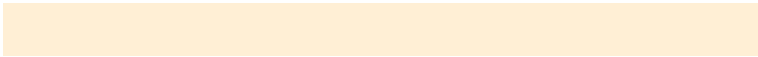
 255, 244, 255

 0, 244, 16

# Harmonies

## Analogous

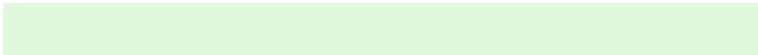
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



239, 255, 213



214, 244, 216



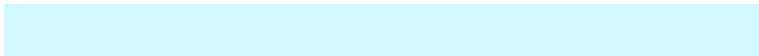
223, 248, 246

# Triad

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



214, 244, 216



208, 230, 255



255, 232, 246

# Complementary

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



214, 244, 216



216, 214, 244

# Split Complementary

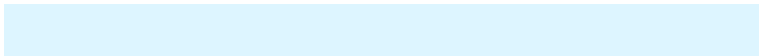
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



255, 235, 255



214, 244, 216



221, 235, 255

# Square

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



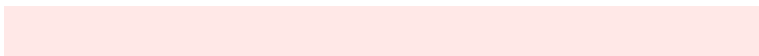
214, 244, 216



204, 227, 252



239, 239, 255



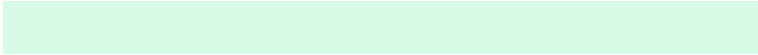
255, 232, 231

# Rectangle

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



214, 244, 216



215, 239, 250



239, 239, 255



255, 233, 251



# Sweetspot

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



214, 244, 216



245, 255, 246



244, 216, 214



121, 128, 122



0, 0, 0



128, 128, 128



# Same Dimension

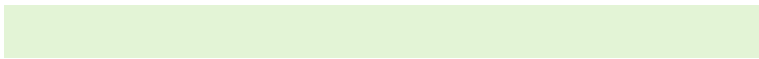
The Same Dimension uses a secret algorithm to generate beautiful new colors.



214, 244, 216



217, 255, 220



214, 244, 231



110, 122, 110



0, 186, 12



0, 59, 4



# Inverse Universe

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



216, 214, 244



219, 217, 255



231, 214, 244



111, 110, 122



12, 0, 186

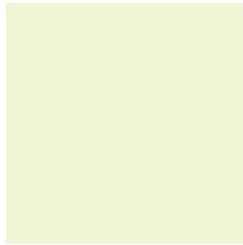


4, 0, 59



# Previews

## White Background



This preview shows how the RYB color 214, 244, 216 looks on a white background.

## Color Contrast Check

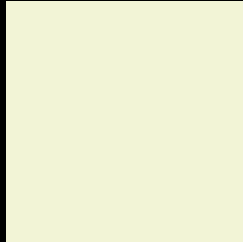
Large Text (above 18pt) WCAG AA × Fail

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 214, 244, 216 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

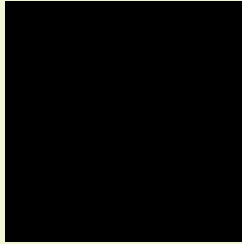
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

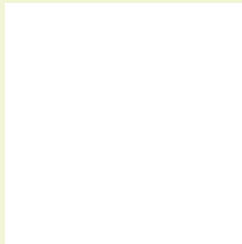
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## **RYB 214, 244, 216 Background**



This preview shows how black text looks on a background with the RYB color 214, 244, 216.

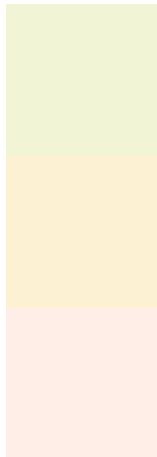


This preview shows how white text looks on a background with the RYB color 214, 244, 216.

# 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



**Original Color**  
214, 244, 216

**Protanopia**  
229, 253, 212

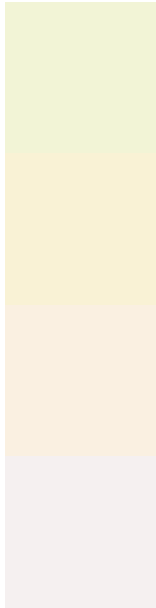
**Deuteranopia**  
255, 240, 232



# Tritanopia

247, 238, 255

# Trichromacy



**Original Color**

214, 244, 216

**Protanomaly**

222, 249, 213

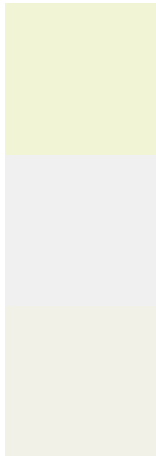
**Deuteranomaly**

242, 250, 225

**Tritanomaly**

245, 240, 240

# Monochromacy



**Original Color**

214, 244, 216

**Achromatopsia**

240, 240, 240

**Achromatomaly**

231, 241, 231

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 214, 244, 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(242, 244, 214) looks like.

```
.text, #text, p{  
    color:rgb(242, 244, 214)  
}
```

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(242, 244, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 244, 214) }
```

## Border

The CSS property to change the border of an element to RYB 214, 244, 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(242, 244, 214) }
```

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

```
.border{ border-color:rgb(242, 244, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 244, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 244, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 244, 214);  
box-shadow:4px 4px 4px 4px rgb(242, 244,  
214) }
```

# Background

The CSS property to change the background color of an element to RGB 242, 244, 216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 244, 216) }
```

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

```
.background{ background-color: rgb(242,  
244, 216) }
```

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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