

# Converting Colors

`RYB(221, 251, 214)`

Have a look what the booklet for RYB(221, 251, 214) contains.

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# **Color**

**R<sub>Y</sub>B(221, 251, 214)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FBF5D6
RGB	251, 245, 214
RGB Percent	98%, 96%, 84%
CMY	0.0157, 0.0388, 0.1608
CMYK	0.00, 0.02, 0.15, 0.02
HSL	50°, 82%, 91%
HSV	50°, 15%, 98%
XYZ	84.6081, 90.7379, 76.6732
YIQ	243.2600, 13.5270, -8.3690

# Conversions

## Conversions Part 2

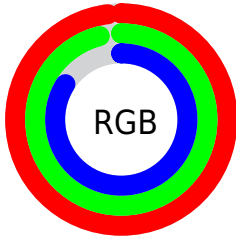
Format	Color
R <sub>Y</sub> B	221, 251, 214
Decimal	16512470
CIE Lab	96.30, -3.08, 15.69
CIE LCh	96, 15.990, 101.104
Yxy	90.7379, 0.3357, 0.3600
Android (android.graphics.Color)	4294702550 (0xFFFBF5D6)
YUV	243.2600, -14.4252, 6.7880
Hunter-Lab	95.2564, -8.1526, 18.9562

# Details

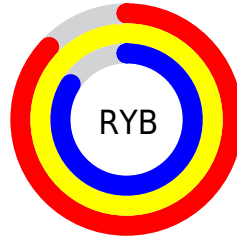
The RYB color **221, 251, 214** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **214, 219, 251**, and the grayscale version is **243, 243, 243**.

A 20% lighter version of the original color is **255, 255, 255**, and **165, 194, 159** is the 20% darker color. If you saturate the color by 10%, you get **201, 251, 189**, and if you desaturate by 10%, it is **241, 251, 239**.

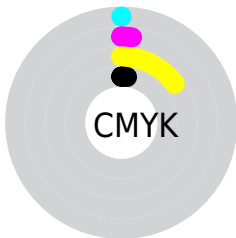
# Distribution



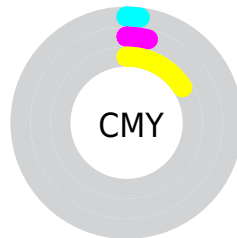
- Red (98%)
- Green (96%)
- Blue (84%)



- Red (87%)
- Yellow (98%)
- Blue (84%)



- Cyan (0%)
- Magenta (2%)
- Yellow (15%)
- Black (2%)



- Cyan (2%)
- Magenta (4%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 221, 251, 214 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 221, 251, 214 by changing the saturation by 10% instead.



■ 221, 251, 214

255, 255, 255

■ 221, 251, 214

■ 192, 222, 186

■ 165, 194, 159

■ 139, 167, 133

■ 113, 140, 108

■ 89, 115, 83

■ 65, 90, 60

■ 41, 66, 38

■ 21, 44, 18

■ 2, 23, 0

221, 251, 214

221, 251, 214

201, 251, 189

241, 251, 239

181, 251, 164

251, 252, 255

160, 251, 139

251, 253, 255

140, 251, 114

120, 251, 89

99, 251, 63

78, 251, 38

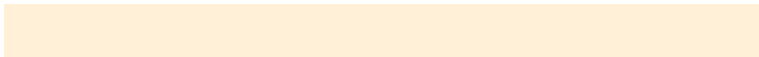
58, 251, 13

48, 251, 0

# Harmonies

## Analogous

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



239, 255, 215



221, 251, 214



221, 250, 238

# Triad

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



221, 251, 214



206, 230, 255



255, 235, 255

# Complementary

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



221, 251, 214



214, 219, 251

# Split Complementary

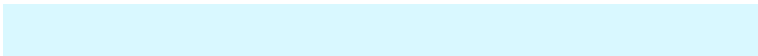
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



255, 239, 255



221, 251, 214



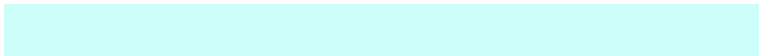
217, 234, 255

# Square

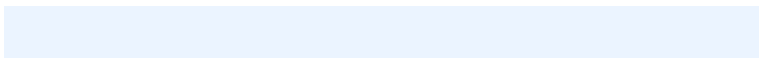
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



221, 251, 214



206, 231, 254



235, 241, 255



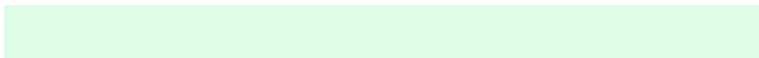
255, 234, 239

# Rectangle

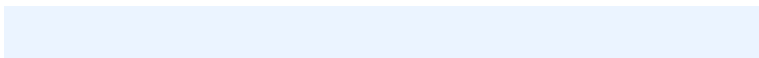
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



221, 251, 214



222, 246, 252



235, 241, 255



255, 236, 255



# Sweetspot

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



221, 251, 214



248, 255, 245



251, 214, 220



124, 128, 121



0, 0, 0



128, 128, 128



# Same Dimension

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



221, 251, 214



217, 255, 209



214, 251, 226



114, 125, 112



36, 189, 0



12, 61, 0



# Inverse Universe

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



214, 219, 251



209, 215, 255



226, 214, 251



112, 114, 125



0, 26, 189

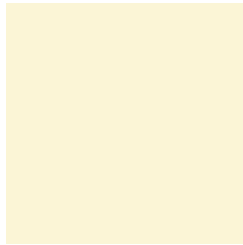


0, 9, 61



# Previews

## White Background



This preview shows how the RYB color 221, 251, 214 looks on a white background.

## Color Contrast Check

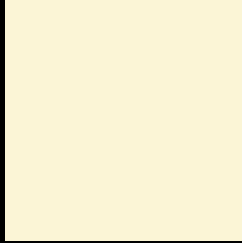
Large Text (above 18pt) WCAG AA × Fail

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 221, 251, 214 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

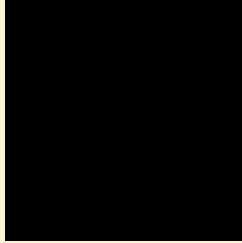
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## **RYB 221, 251, 214 Background**



This preview shows how black text looks on a background with the RYB color 221, 251, 214.

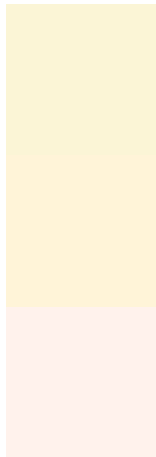


This preview shows how white text looks on a background with the RYB color 221, 251, 214.

# 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**  
221, 251, 214

**Protanopia**  
231, 255, 216

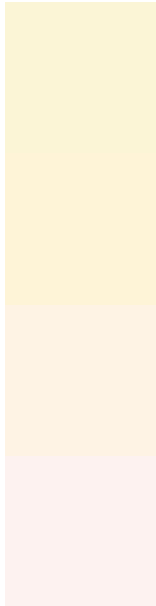
**Deuteranopia**  
255, 245, 236



# Tritanopia

254, 240, 255

# Trichromacy



## Original Color

221, 251, 214

## Protanomaly

228, 254, 215

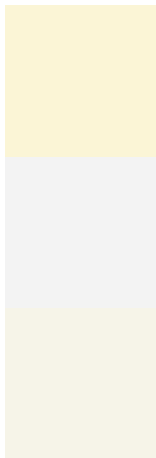
## Deuteranomaly

247, 254, 228

## Tritanomaly

253, 242, 240

# Monochromacy



## Original Color

221, 251, 214

## Achromatopsia

243, 243, 243

## Achromatomaly

234, 246, 232

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 221, 251, 214 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(251, 245, 214) looks like.

```
.text, #text, p{  
    color:rgb(251, 245, 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(251, 245, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 245, 214) }
```

## Border

The CSS property to change the border of an element to RYB 221, 251, 214 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(251, 245, 214) }
```

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

```
.border{ border-color:rgb(251, 245, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 245, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 245, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 245, 214);  
box-shadow:4px 4px 4px 4px rgb(251, 245,  
214) }
```

# Background

The CSS property to change the background color of an element to RGB 221, 251, 214 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 245, 214) }
```

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

```
.background{ background-color: rgb(251,  
245, 214) }
```

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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