

# Converting Colors

`RYB(249, 255, 214)`

Have a look what the booklet for  
RYB(249, 255, 214) contains.

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# Color

**R<sub>Y</sub>B(249, 255, 214)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFECD6
RGB	255, 236, 214
RGB Percent	100%, 93%, 84%
CMY	0.0000, 0.0740, 0.1608
CMYK	0.00, 0.07, 0.16, 0.00
HSL	32°, 100%, 92%
HSV	32°, 16%, 100%
XYZ	83.4072, 86.1742, 75.8556
YIQ	239.1730, 18.3860, -2.8140

# Conversions

## Conversions Part 2

Format	Color
R <sub>Y</sub> B	249, 255, 214
Decimal	16772310
CIE Lab	94.39, 2.89, 13.02
CIE LCh	94, 13.340, 77.491
Yxy	86.1742, 0.3398, 0.3511
Android (android.graphics.Color)	4294962390 (0xFFFFECD6)
YUV	239.1730, -12.4103, 13.8803
Hunter-Lab	92.8300, -2.0715, 16.5325

# Details

The RYB color **249, 255, 214** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **214, 227, 255**, and the grayscale version is **239, 239, 239**.

A 20% lighter version of the original color is 255, 255, 255, and **192, 198, 159** is the 20% darker color. If you saturate the color by 10%, you get **247, 255, 189**, and if you desaturate by 10%, it is 253, 255, 240.

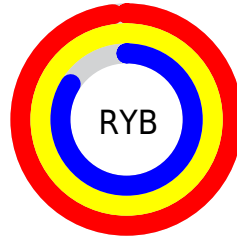
# Distribution



Red (100%)

Green (93%)

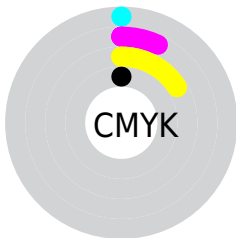
Blue (84%)



Red (98%)

Yellow (100%)

Blue (84%)



Cyan (0%)

Magenta (7%)

Yellow (16%)

Black (0%)



Cyan (0%)

Magenta (7%)

Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 249, 255, 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 249, 255, 214 by changing the saturation by 10% instead.



 249, 255, 214

255, 255, 255


 249, 255, 214

 219, 226, 186

 192, 198, 159

 164, 171, 133

 137, 144, 108

 111, 118, 84

 84, 93, 60

 62, 69, 39

 39, 46, 18

 23, 25, 0

249, 255, 214

249, 255, 214

247, 255, 189

253, 255, 240

240, 255, 163

255, 255, 255

238, 255, 138

235, 255, 112

233, 255, 87

225, 255, 61

222, 255, 35

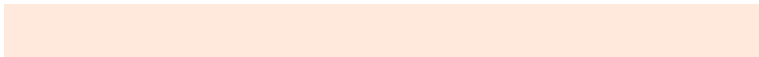
220, 255, 10

216, 255, 0

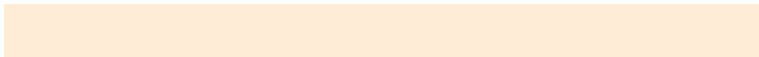
# Harmonies

## Analogous

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



255, 238, 220



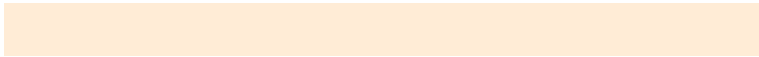
249, 255, 214



215, 241, 214

# Triad

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



249, 255, 214



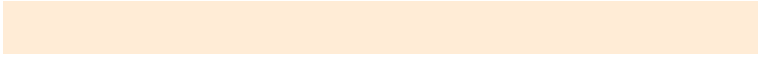
207, 227, 247



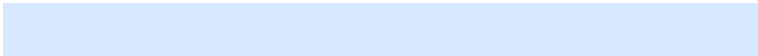
250, 233, 255

# Complementary

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



249, 255, 214



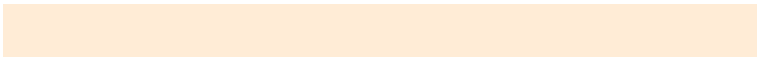
214, 227, 255

# Split Complementary

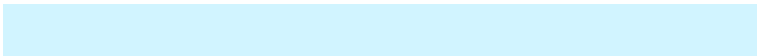
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



235, 237, 255



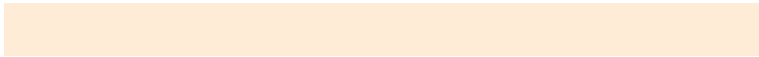
249, 255, 214



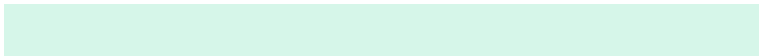
209, 229, 255

# Square

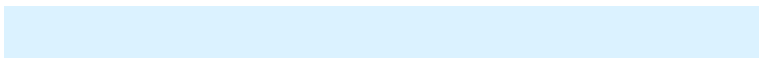
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



249, 255, 214



214, 234, 246



219, 233, 255



255, 231, 245

# Rectangle

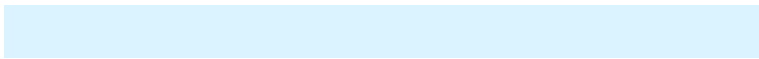
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



249, 255, 214



218, 243, 230



219, 233, 255



246, 235, 255



# Sweetspot

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



249, 255, 214



253, 255, 242



255, 214, 233



128, 128, 120



0, 0, 0



128, 128, 128

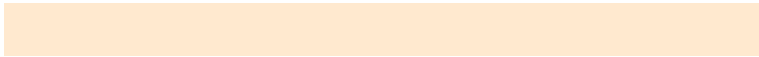


# Same Dimension

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



249, 255, 214



248, 255, 207



214, 255, 215



126, 128, 115



163, 191, 0

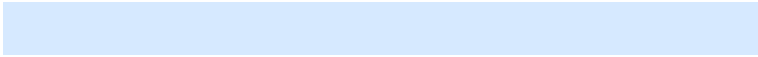


56, 64, 0

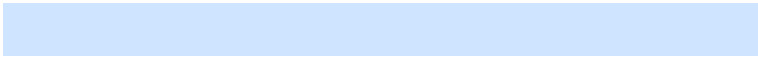


# Inverse Universe

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



214, 227, 255



207, 222, 255



215, 214, 255



115, 119, 128



0, 60, 191

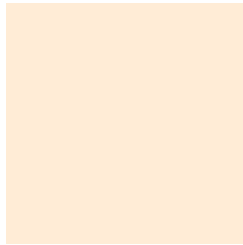


0, 20, 64



# Previews

## White Background



This preview shows how the RYB color 249, 255, 214 looks on a white background.

## Color Contrast Check

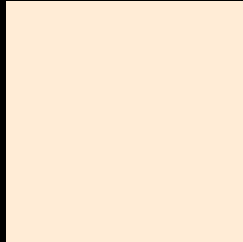
Large Text (above 18pt) WCAG AA × Fail

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 249, 255, 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](#).



## RYP 249, 255, 214 Background



This preview shows how black text looks on a background with the RYB color 249, 255, 214.

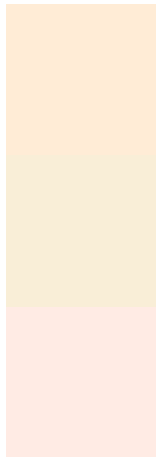


This preview shows how white text looks on a background with the RYB color 249, 255, 214.

# 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**  
249, 255, 214

**Protanopia**  
231, 249, 215

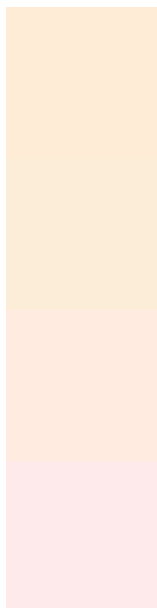
**Deuteranopia**  
255, 237, 228



# Tritanopia

255, 233, 247

# Trichromacy



**Original Color**

249, 255, 214

**Protanomaly**

238, 251, 215

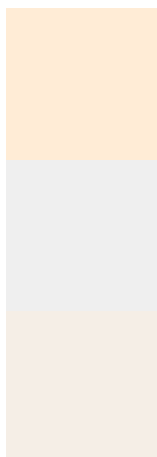
**Deuteranomaly**

255, 242, 223

**Tritanomaly**

255, 234, 235

# Monochromacy



**Original Color**

249, 255, 214

**Achromatopsia**

239, 239, 239

**Achromatomaly**

243, 245, 230

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 249, 255, 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(255, 236, 214) looks like.

```
.text, #text, p{  
    color:rgb(255, 236, 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(255, 236, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 236, 214) }
```

## Border

The CSS property to change the border of an element to RYB 249, 255, 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(255, 236, 214) }
```

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

```
.border{ border-color:rgb(255, 236, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 236, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 236, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 236, 214);  
box-shadow:4px 4px 4px 4px rgb(255, 236,  
214) }
```

# Background

The CSS property to change the background color of an element to RYB 249, 255, 214 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 236, 214) }
```

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

```
.background{ background-color: rgb(255,  
236, 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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