

# Converting Colors

`RYB(221, 245, 244)`

Have a look what the booklet for RYB(221, 245, 244) contains.

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# **Color**

**R<sub>Y</sub>B(221, 245, 244)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DEF5DD
RGB	222, 245, 221
RGB Percent	87%, 96%, 87%
CMY	0.1294, 0.0392, 0.1333
CMYK	0.09, 0.00, 0.10, 0.04
HSL	118°, 55%, 91%
HSV	118°, 10%, 96%
XYZ	75.8278, 86.0549, 81.0203
YIQ	235.3870, -6.0040, -12.3400

# Conversions

## Conversions Part 2

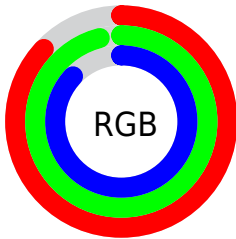
Format	Color
R <sub>Y</sub> B	221, 245, 244
Decimal	14611933
CIE Lab	94.34, -11.85, 9.00
CIE LCh	94, 14.883, 142.794
Yxy	86.0549, 0.3122, 0.3543
Android (android.graphics.Color)	4292802013 (0xFFDEF5DD)
YUV	235.3870, -7.0928, -11.7404
Hunter-Lab	92.7658, -16.4322, 13.1530

# Details

The RYB color **221, 245, 244** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **244, 221, 245**, and the grayscale version is **235, 235, 235**.

A 20% lighter version of the original color is **255, 255, 255**, and **166, 189, 188** is the 20% darker color. If you saturate the color by 10%, you get **196, 245, 242**, and if you desaturate by 10%, it is **245, 245, 246**.

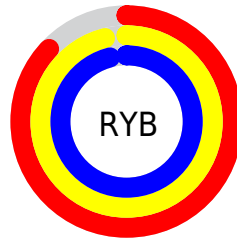
# Distribution



Red (87%)

Green (96%)

Blue (87%)



Red (87%)

Yellow (96%)

Blue (96%)

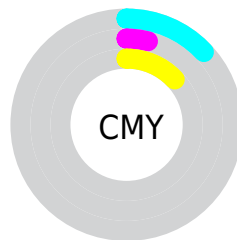


Cyan (9%)

Magenta (0%)

Yellow (10%)

Black (4%)



Cyan (13%)

Magenta (4%)

Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 221, 245, 244 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, 245, 244 by changing the saturation by 10% instead.



■ 221, 245, 244

255, 255, 255

■ 221, 245, 244

■ 193, 217, 216

■ 166, 189, 188

■ 140, 162, 162

■ 114, 135, 134

■ 90, 110, 110

■ 66, 86, 86

■ 44, 62, 62

■ 23, 40, 40

■ 0, 21, 21

 221, 245, 244

 221, 245, 244

 196, 245, 242

 245, 245, 246

 172, 245, 242

 255, 245, 255

 147, 245, 240

 123, 245, 240

 98, 245, 238

 74, 245, 238

 49, 245, 236

 25, 245, 236

 0, 245, 234

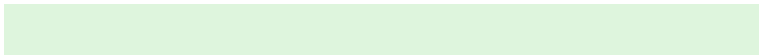
# Harmonies

## Analogous

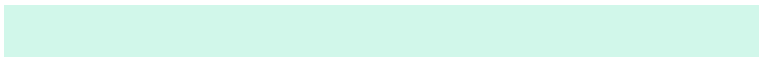
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



212, 241, 214



221, 245, 244



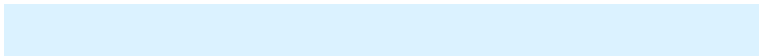
209, 232, 247

# Triad

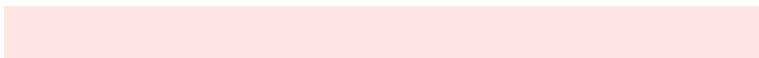
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



221, 245, 244



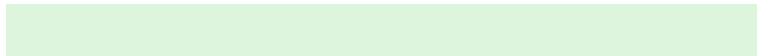
219, 233, 255



255, 229, 228

# Complementary

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



221, 245, 244



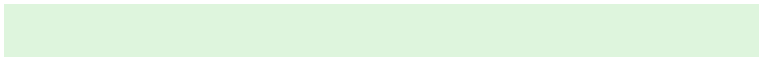
244, 221, 245

# 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, 229, 243



221, 245, 244



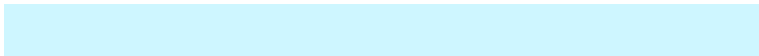
237, 236, 255

# Square

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



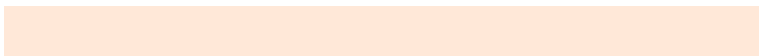
221, 245, 244



206, 228, 255



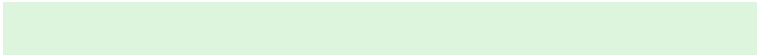
254, 232, 255



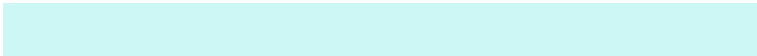
255, 243, 216

# Rectangle

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



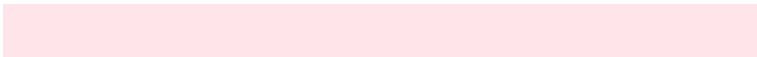
221, 245, 244



204, 226, 247



254, 232, 255

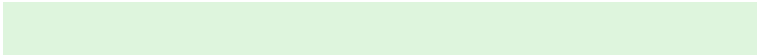


255, 229, 233



# Sweetspot

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



221, 245, 244



247, 255, 254



222, 245, 221



122, 128, 127



0, 0, 0

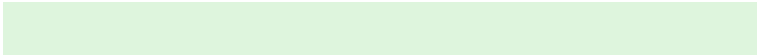


128, 128, 128

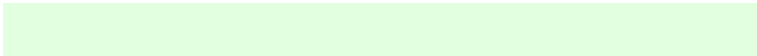


# Same Dimension

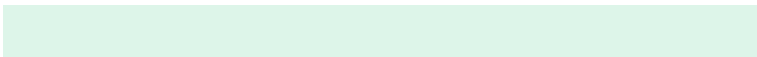
The Same Dimension uses a secret algorithm to generate beautiful new colors.



221, 245, 244



224, 255, 253



221, 237, 245



110, 122, 121



0, 186, 178



0, 59, 57



# Inverse Universe

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



244, 221, 245



254, 224, 255



245, 221, 234



122, 110, 122



178, 0, 186

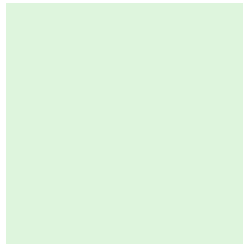


56, 0, 59



# Previews

## White Background



This preview shows how the RYB color 221, 245, 244 looks on a white background.

## Color Contrast Check

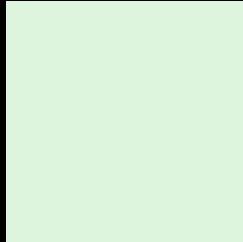
Large Text (above 18pt) WCAG AA × Fail

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, 245, 244 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

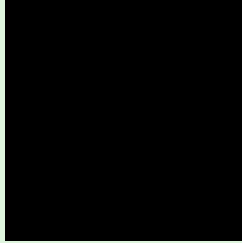
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

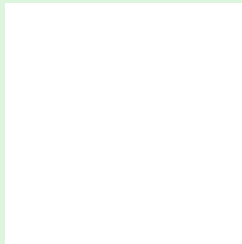
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## **RYB 221, 245, 244 Background**



This preview shows how black text looks on a background with the RYB color 221, 245, 244.



This preview shows how white text looks on a background with the RYB color 221, 245, 244.

# 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





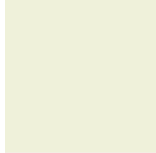
**Tritanopia**  
230, 237, 255

# Trichromacy



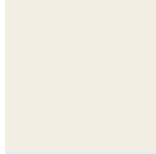
**Original Color**

221, 245, 244



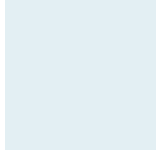
**Protanomaly**

218, 241, 220



**Deuteranomaly**

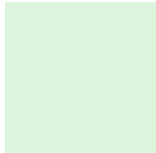
234, 243, 227



**Tritanomaly**

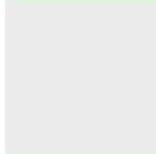
227, 234, 243

# Monochromacy



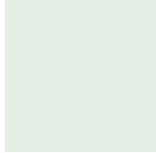
**Original Color**

221, 245, 244



**Achromatopsia**

235, 235, 235



**Achromatomaly**

230, 239, 239

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 221, 245, 244 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(222, 245, 221)` looks like.

```
.text, #text, p{  
    color:rgb(222, 245, 221)  
}
```

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(222, 245, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 245, 221) }
```

## Border

The CSS property to change the border of an element to RYB 221, 245, 244 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(222, 245, 221) }
```

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

```
.border{ border-color:rgb(222, 245, 221) }
```

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

Here you see how a box with a 4 pixel rgb(222, 245, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 245, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 245, 221);  
box-shadow:4px 4px 4px 4px rgb(222, 245,  
221) }
```

# Background

The CSS property to change the background color of an element to RYB 221, 245, 244 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 245, 221) }
```

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

```
.background{ background-color: rgb(222,  
245, 221) }
```

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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