

# Converting Colors

`RYB(209, 253, 233)`

Have a look what the booklet for  
RYB(209, 253, 233) contains.

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# **Color**

**R<sub>Y</sub>B(209, 253, 233)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E5FDD1
RGB	229, 253, 209
RGB Percent	90%, 99%, 82%
CMY	0.1020, 0.0078, 0.1804
CMYK	0.09, 0.00, 0.17, 0.01
HSL	93°, 92%, 91%
HSV	93°, 17%, 99%
XYZ	78.9470, 91.5120, 73.8242
YIQ	240.8080, -0.1800, -18.7720

# Conversions

## Conversions Part 2

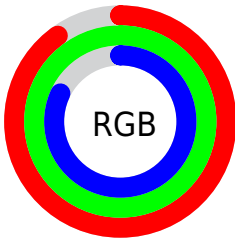
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	209, 253, 233
Decimal	15072721
CIE <sub>Lab</sub>	96.62, -15.43, 18.47
CIE <sub>LCh</sub>	97, 24.067, 129.870
Yxy	91.5120, 0.3232, 0.3746
Android (android.graphics.Color)	4293262801 (0xFFE5FDD1)
YUV	240.8080, -15.6813, -10.3556
Hunter-Lab	95.6619, -20.0975, 21.2080

# Details

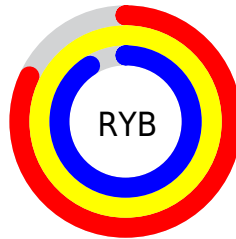
The RYB color **209, 253, 233** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **233, 209, 253**, and the grayscale version is **241, 241, 241**.

A 20% lighter version of the original color is **255, 255, 255**, and **154, 196, 177** is the 20% darker color. If you saturate the color by 10%, you get **184, 253, 222**, and if you desaturate by 10%, it is **234, 253, 244**.

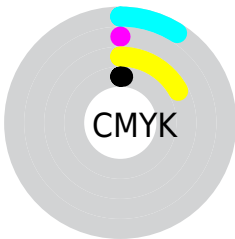
# Distribution



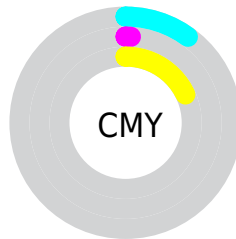
- Red (90%)
- Green (99%)
- Blue (82%)



- Red (82%)
- Yellow (99%)
- Blue (91%)



- Cyan (9%)
- Magenta (0%)
- Yellow (17%)
- Black (1%)



- Cyan (10%)
- Magenta (1%)
- Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 209, 253, 233 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 209, 253, 233 by changing the saturation by 10% instead.



209, 253, 233

255, 255, 255

209, 253, 233

181, 224, 204

154, 196, 177

128, 169, 150

103, 143, 125

79, 117, 101

56, 92, 77

34, 69, 55

12, 46, 32

0, 27, 27

209, 253, 233

209, 253, 233

184, 253, 222

234, 253, 244

158, 253, 210

255, 253, 255

133, 253, 198

108, 253, 187

82, 253, 175

57, 253, 164

32, 253, 153

7, 253, 141

0, 253, 138

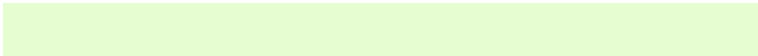
# Harmonies

## Analogous

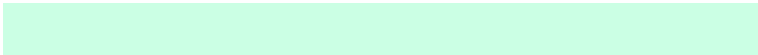
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



210, 255, 199



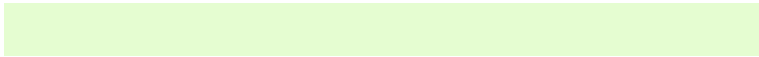
209, 253, 233



203, 238, 255

# Triad

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



209, 253, 233



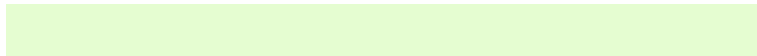
200, 227, 255



255, 229, 238

# Complementary

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



209, 253, 233



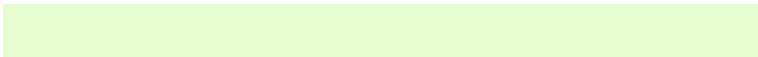
233, 209, 253

# Split Complementary

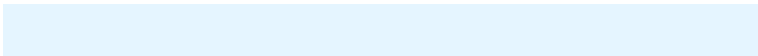
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



255, 231, 255



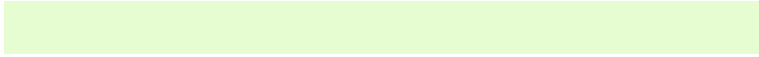
209, 253, 233



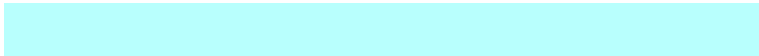
229, 239, 255

# Square

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



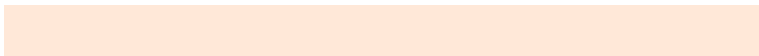
209, 253, 233



184, 220, 255



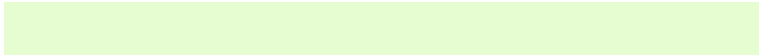
255, 237, 255



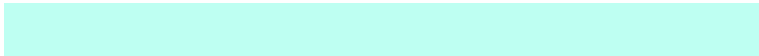
255, 243, 216

# Rectangle

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



209, 253, 233



190, 226, 255



255, 237, 255

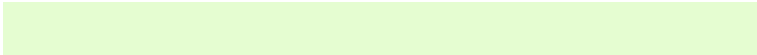


255, 229, 246



# Sweetspot

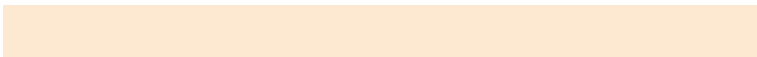
The Sweet Spot groups the original color and five complimentary colors.



209, 253, 233



242, 255, 249



249, 253, 209



120, 128, 125



0, 0, 0

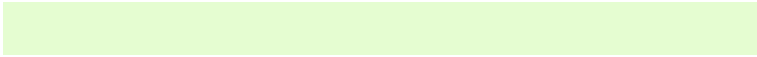


128, 128, 128

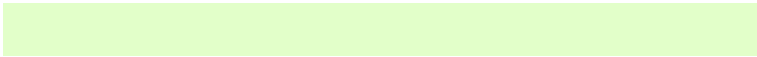


# Same Dimension

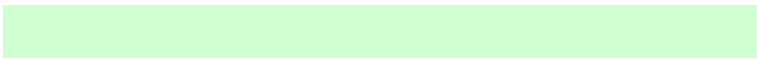
The Same Dimension uses a secret algorithm to generate beautiful new colors.



209, 253, 233



201, 255, 230



209, 252, 253



115, 128, 122



0, 191, 104



0, 64, 35



# Inverse Universe

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



233, 209, 253



231, 201, 255



253, 209, 252



122, 115, 128



104, 0, 191

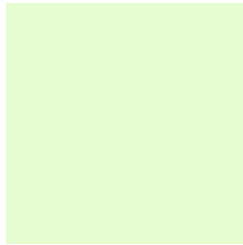


35, 0, 64



# Previews

## White Background



This preview shows how the RYB color 209, 253, 233 looks on a white background.

## Color Contrast Check

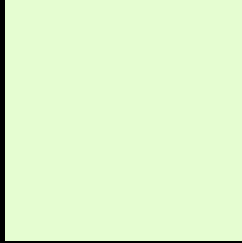
Large Text (above 18pt) WCAG AA × Fail

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 209, 253, 233 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

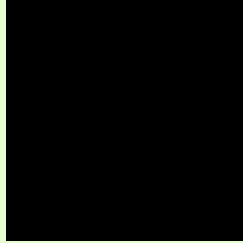
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

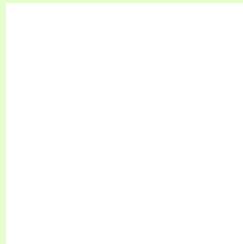
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## **RYB 209, 253, 233 Background**



This preview shows how black text looks on a background with the RYB color 209, 253, 233.

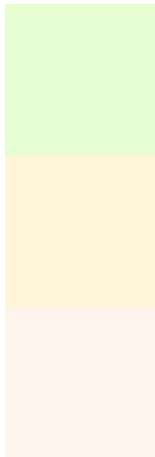


This preview shows how white text looks on a background with the RYB color 209, 253, 233.

# 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**  
209, 253, 233

**Protanopia**  
229, 255, 216

**Deuteranopia**  
255, 246, 237



# Tritanopia

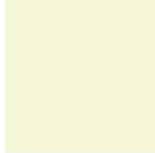
241, 244, 255

# Trichromacy



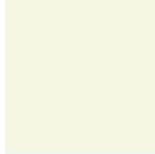
**Original Color**

209, 253, 233



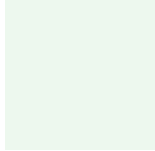
**Protanomaly**

213, 248, 215



**Deuteranomaly**

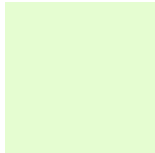
227, 247, 228



**Tritanomaly**

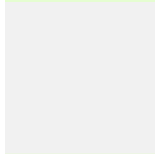
237, 247, 248

# Monochromacy



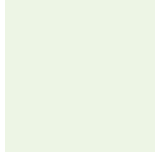
**Original Color**

209, 253, 233



**Achromatopsia**

241, 241, 241



**Achromatomaly**

229, 245, 237

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 209, 253, 233 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(229, 253, 209)` looks like.

```
.text, #text, p{  
    color:rgb(229, 253, 209)  
}
```

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(229, 253, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 253, 209) }
```

## Border

The CSS property to change the border of an element to RYB 209, 253, 233 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(229, 253, 209) }
```

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

```
.border{ border-color:rgb(229, 253, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 253, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 253, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 253, 209);  
box-shadow:4px 4px 4px 4px rgb(229, 253,  
209) }
```

# Background

The CSS property to change the background color of an element to RYB 209, 253, 233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 253, 209) }
```

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

```
.background{ background-color: rgb(229,  
253, 209) }
```

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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