

Converting Colors

`RYB(209, 235, 221)`

Have a look what the booklet for
RYB(209, 235, 221) contains.

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Color

R_YB(209, 235, 221)

Conversions

Conversions Part 1

Format	Color
Hex	DFEBD1
RGB	223, 235, 209
RGB Percent	87%, 92%, 82%
CMY	0.1255, 0.0784, 0.1804
CMYK	0.05, 0.00, 0.11, 0.08
HSL	88°, 39%, 87%
HSV	88°, 11%, 92%
XYZ	71.6484, 79.7081, 71.9305
YIQ	228.4480, 1.1940, -10.6300

Conversions

Conversions Part 2

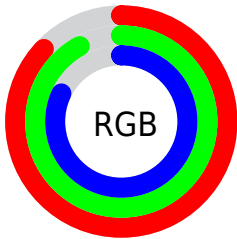
Format	Color
R_{YB}	209, 235, 221
Decimal	14674897
CIE Lab	91.55, -8.54, 11.25
CIE LCh	92, 14.127, 127.211
Yxy	79.7081, 0.3209, 0.3570
Android (android.graphics.Color)	4292864977 (0xFFDFEBD1)
YUV	228.4480, -9.5879, -4.7779
Hunter-Lab	89.2794, -12.9893, 14.7269

Details

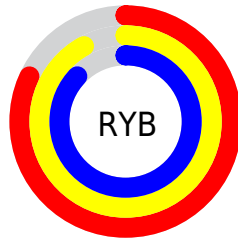
The RYB color **209, 235, 221** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **221, 209, 235**, and the grayscale version is **229, 229, 229**.

A 20% lighter version of the original color is **255, 255, 255**, and **155, 179, 166** is the 20% darker color. If you saturate the color by 10%, you get **186, 235, 209**, and if you desaturate by 10%, it is **233, 235, 234**.

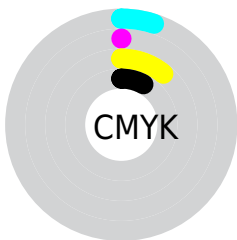
Distribution



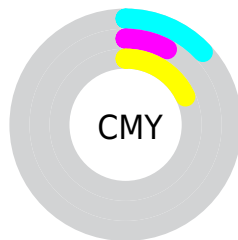
- Red (87%)
- Green (92%)
- Blue (82%)



- Red (82%)
- Yellow (92%)
- Blue (87%)



- Cyan (5%)
- Magenta (0%)
- Yellow (11%)
- Black (8%)



- Cyan (13%)
- Magenta (8%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the RYB color 209, 235, 221 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, 235, 221 by changing the saturation by 10% instead.

■ 209, 235, 221

255, 255, 255

■ 209, 235, 221

■ 181, 207, 193

■ 155, 179, 166

■ 129, 153, 141

■ 103, 127, 114

■ 79, 102, 90

■ 56, 78, 67

■ 35, 55, 45

■ 14, 33, 23

■ 0, 11, 11

 209, 235, 221

 209, 235, 221

 186, 235, 209

 233, 235, 234

 162, 235, 196

 245, 235, 255

 139, 235, 184

 255, 235, 255

 115, 235, 170

 92, 235, 158

 68, 235, 145

 45, 235, 133

 21, 235, 120

 0, 235, 108

Harmonies

Analogous

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



214, 239, 204



209, 235, 221



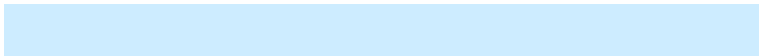
208, 229, 238

Triad

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



209, 235, 221



205, 224, 255



255, 222, 228

Complementary

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



209, 235, 221



221, 209, 235

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.



252, 223, 242



209, 235, 221



221, 229, 255

Square

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



209, 235, 221



197, 220, 247



238, 226, 252



255, 225, 215

Rectangle

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



209, 235, 221



201, 223, 239



238, 226, 252



255, 222, 233

Sweetspot

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



209, 235, 221



247, 255, 251



235, 231, 209



122, 128, 125



0, 0, 0



128, 128, 128

Same Dimension

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



209, 235, 221



222, 255, 237



209, 235, 234



106, 117, 111



0, 181, 84



0, 54, 25

Inverse Universe

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



221, 209, 235



237, 222, 255



234, 209, 235



111, 106, 117



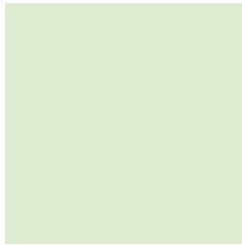
84, 0, 181



25, 0, 54

Previews

White Background



This preview shows how the RYB color 209, 235, 221 looks on a white background.

Color Contrast Check

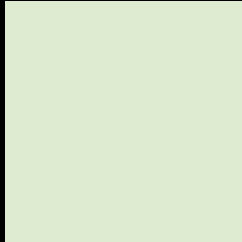
Large Text (above 18pt) WCAG AA × Fail

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, 235, 221 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

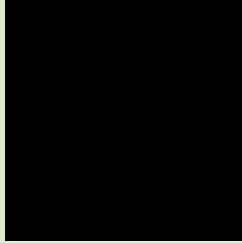
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

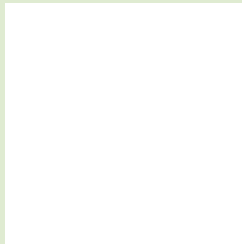
Any Text WCAG AAA ✓ Pass

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

RYB 209, 235, 221 Background



This preview shows how black text looks on a background with the RYB color 209, 235, 221.



This preview shows how white text looks on a background with the RYB color 209, 235, 221.

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](#).

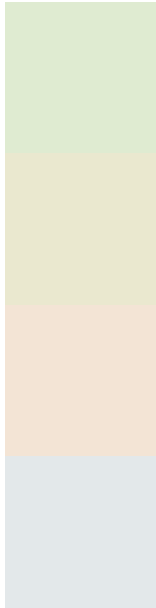
Dichromacy





Tritanopia
229, 229, 248

Trichromacy



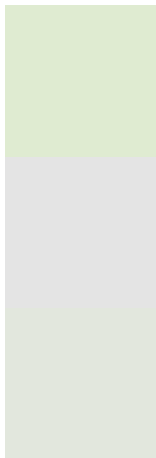
Original Color
209, 235, 221

Protanomaly
209, 234, 207

Deuteranomaly
243, 243, 213

Tritanomaly
227, 230, 234

Monochromacy



Original Color
209, 235, 221

Achromatopsia
228, 228, 228

Achromatomaly
221, 231, 226

CSS Examples

Text

The CSS property to change the color of the text to RYB 209, 235, 221 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(223, 235, 209)` looks like.

```
.text, #text, p{  
    color:rgb(223, 235, 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(223, 235, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 235, 209) }
```

Border

The CSS property to change the border of an element to RYB 209, 235, 221 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(223, 235, 209) }
```

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

```
.border{ border-color:rgb(223, 235, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 235, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 235, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 235, 209);  
box-shadow:4px 4px 4px 4px rgb(223, 235,  
209) }
```

Background

The CSS property to change the background color of an element to RYB 209, 235, 221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 235, 209) }
```

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

```
.background{ background-color: rgb(223,  
235, 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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