

Converting Colors

`RYB(205, 235, 212)`

Have a look what the booklet for
RYB(205, 235, 212) contains.

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Color

$\text{RYB}(205, 235, 212)$

Conversions

Conversions Part 1

Format	Color
Hex	E4EBCD
RGB	228, 235, 205
RGB Percent	89%, 92%, 80%
CMY	0.1059, 0.0784, 0.1961
CMYK	0.03, 0.00, 0.13, 0.08
HSL	74°, 43%, 86%
HSV	74°, 13%, 92%
XYZ	72.7227, 80.3184, 69.4277
YIQ	229.4870, 5.4580, -10.8140

Conversions

Conversions Part 2

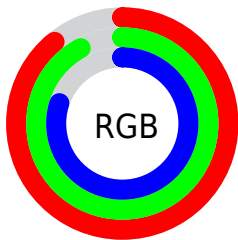
Format	Color
R _Y B	205, 235, 212
Decimal	15002573
CIE Lab	91.83, -7.46, 13.77
CIE LCh	92, 15.659, 118.454
Yxy	80.3184, 0.3269, 0.3610
Android (android.graphics.Color)	4293192653 (0xFFE4EBCD)
YUV	229.4870, -12.0721, -1.3041
Hunter-Lab	89.6205, -11.9919, 16.8033

Details

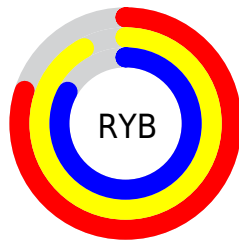
The RYB color **205, 235, 212** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **212, 205, 235**, and the grayscale version is **230, 230, 230**.

A 20% lighter version of the original color is **255, 255, 255**, and **151, 179, 158** is the 20% darker color. If you saturate the color by 10%, you get **182, 235, 194**, and if you desaturate by 10%, it is **229, 235, 231**.

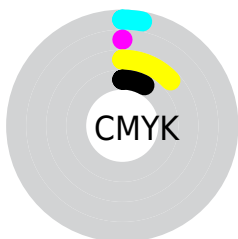
Distribution



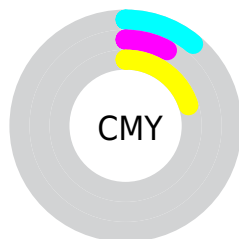
- Red (89%)
- Green (92%)
- Blue (80%)



- Red (80%)
- Yellow (92%)
- Blue (83%)



- Cyan (3%)
- Magenta (0%)
- Yellow (13%)
- Black (8%)



- Cyan (11%)
- Magenta (8%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the RYB color 205, 235, 212 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 205, 235, 212 by changing the saturation by 10% instead.

■ 205, 235, 212

255, 255, 255

■ 205, 235, 212

■ 178, 207, 185

■ 151, 179, 158

■ 125, 153, 132

■ 100, 127, 107

■ 76, 102, 83

■ 53, 78, 60

■ 32, 55, 38

■ 9, 34, 15

■ 0, 12, 12

 205, 235, 212

 205, 235, 212

 182, 235, 194

 229, 235, 231

 158, 235, 176

 239, 235, 252

 135, 235, 158

 244, 235, 255


 111, 235, 140

 250, 235, 255

 88, 235, 122

 255, 235, 255

 64, 235, 104

 41, 235, 86

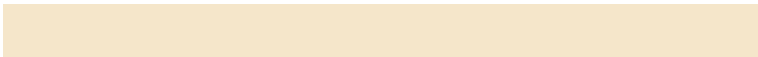
 17, 235, 68

 0, 235, 55

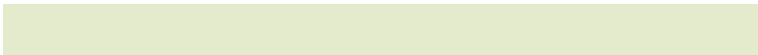
Harmonies

Analogous

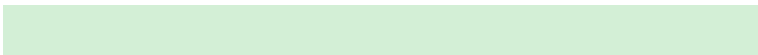
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



225, 245, 202



205, 235, 212



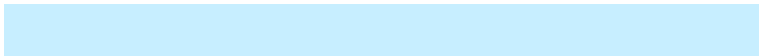
211, 236, 239

Triad

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



205, 235, 212



199, 222, 255



255, 221, 233

Complementary

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



205, 235, 212



212, 205, 235

Split Complementary

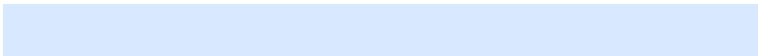
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



251, 224, 248



205, 235, 212



215, 227, 255

Square

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



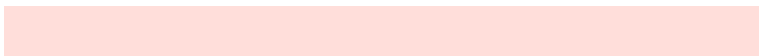
205, 235, 212



193, 218, 245



234, 228, 255



255, 222, 218

Rectangle

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



205, 235, 212



202, 226, 240



234, 228, 255



255, 222, 238

Sweetspot

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



205, 235, 212



245, 255, 247



235, 214, 205



121, 128, 123



0, 0, 0



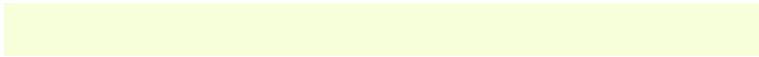
128, 128, 128

Same Dimension

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



205, 235, 212



217, 255, 226



205, 235, 226



106, 117, 108



0, 181, 42



0, 54, 13

Inverse Universe

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



212, 205, 235



226, 217, 255



227, 205, 235



108, 106, 117



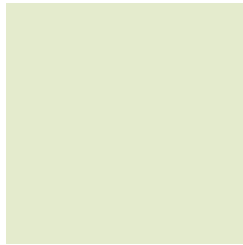
42, 0, 181



12, 0, 54

Previews

White Background



This preview shows how the RYB color 205, 235, 212 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 205, 235, 212 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

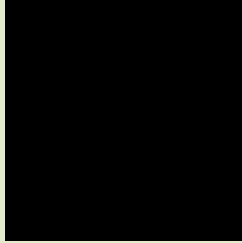
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

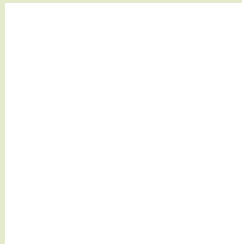
Any Text WCAG AAA ✓ Pass

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

RYB 205, 235, 212 Background



This preview shows how black text looks on a background with the RYB color 205, 235, 212.

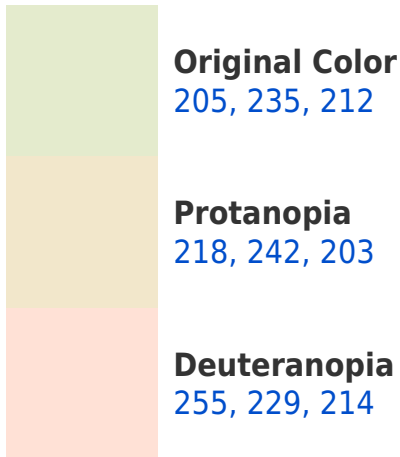


This preview shows how white text looks on a background with the RYB color 205, 235, 212.

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

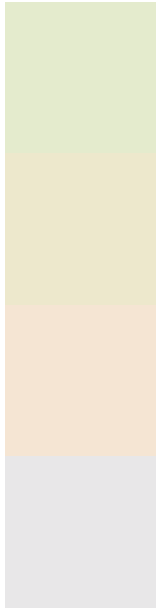




Tritanopia

234, 229, 247

Trichromacy



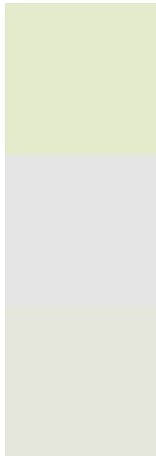
Original Color
205, 235, 212

Protanomaly
210, 237, 204

Deuteranomaly
241, 245, 211

Tritanomaly
232, 231, 232

Monochromacy



Original Color
205, 235, 212

Achromatopsia
229, 229, 229

Achromatomaly
220, 231, 222

CSS Examples

Text

The CSS property to change the color of the text to RYB 205, 235, 212 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(228, 235, 205)` looks like.

```
.text, #text, p{  
    color:rgb(228, 235, 205)  
}
```

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(228, 235, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 235, 205) }
```

Border

The CSS property to change the border of an element to RYB 205, 235, 212 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(228, 235, 205) }
```

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

```
.border{ border-color:rgb(228, 235, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 235, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 235, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 235, 205);  
box-shadow:4px 4px 4px 4px rgb(228, 235,  
205) }
```

Background

The CSS property to change the background color of an element to RYB 205, 235, 212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 235, 205) }
```

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

```
.background{ background-color: rgb(228,  
235, 205) }
```

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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