

Converting Colors

`RYB(212, 236, 232)`

Have a look what the booklet for
RYB(212, 236, 232) contains.

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Color

R_YB(212, 236, 232)

Conversions

Conversions Part 1

Format	Color
Hex	D8ECD4
RGB	216, 236, 212
RGB Percent	85%, 93%, 83%
CMY	0.1529, 0.0745, 0.1686
CMYK	0.08, 0.00, 0.10, 0.07
HSL	110°, 39%, 88%
HSV	110°, 10%, 93%
XYZ	70.1980, 79.3433, 73.9023
YIQ	227.2840, -4.2160, -11.7040

Conversions

Conversions Part 2

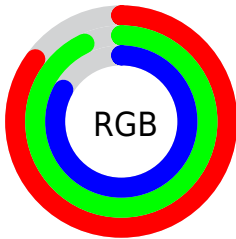
Format	Color
R_{YB}	212, 236, 232
Decimal	14216404
CIE _{Lab}	91.39, -10.93, 9.39
CIE _{LCh}	91, 14.407, 139.324
Yxy	79.3433, 0.3142, 0.3551
Android (android.graphics.Color)	4292406484 (0xFFD8ECD4)
YUV	227.2840, -7.5350, -9.8961
Hunter-Lab	89.0749, -15.2089, 13.1615

Details

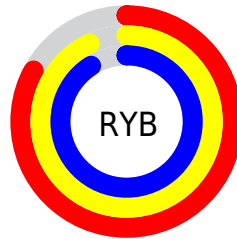
The RYB color **212, 236, 232** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **232, 212, 236**, and the grayscale version is **227, 227, 227**.

A 20% lighter version of the original color is **255, 255, 255**, and **157, 180, 176** is the 20% darker color. If you saturate the color by 10%, you get **188, 236, 228**, and if you desaturate by 10%, it is **236, 236, 236**.

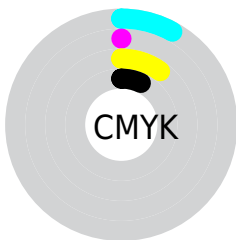
Distribution



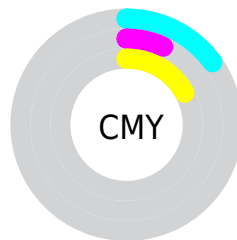
- Red (85%)
- Green (93%)
- Blue (83%)



- Red (83%)
- Yellow (93%)
- Blue (91%)



- Cyan (8%)
- Magenta (0%)
- Yellow (10%)
- Black (7%)



- Cyan (15%)
- Magenta (7%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the RYB color 212, 236, 232 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 212, 236, 232 by changing the saturation by 10% instead.

 212, 236, 232

255, 255, 255

 212, 236, 232

 184, 208, 204

 157, 180, 176

 131, 153, 149

 106, 127, 124

 82, 102, 99

 59, 78, 75

 37, 55, 53

 17, 34, 32

 0, 10, 10

 212, 236, 232

 212, 236, 232

 188, 236, 228

 236, 236, 236

 165, 236, 224

 255, 236, 255

 141, 236, 220

 118, 236, 217

 94, 236, 212

 70, 236, 208

 47, 236, 205

 23, 236, 200

 0, 236, 197

Harmonies

Analogous

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



204, 232, 204



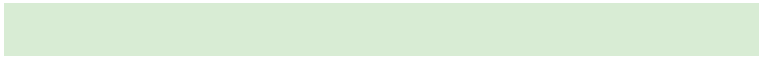
212, 236, 232



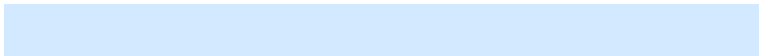
203, 224, 238

Triad

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



212, 236, 232



210, 225, 255



255, 221, 222

Complementary

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



212, 236, 232



232, 212, 236

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, 221, 236



212, 236, 232



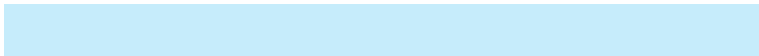
227, 228, 255

Square

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



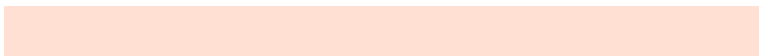
212, 236, 232



198, 220, 251



244, 224, 248



255, 230, 210

Rectangle

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



212, 236, 232



197, 219, 239



244, 224, 248



255, 221, 226

Sweetspot

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



212, 236, 232



247, 255, 253



217, 236, 212



122, 128, 127



0, 0, 0



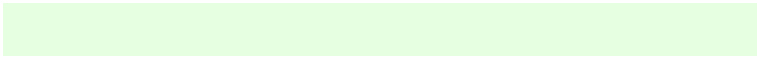
128, 128, 128

Same Dimension

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



212, 236, 232



224, 255, 250



212, 230, 236



106, 117, 115



0, 181, 151



0, 54, 45

Inverse Universe

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



232, 212, 236



250, 224, 255



236, 212, 228



115, 106, 117



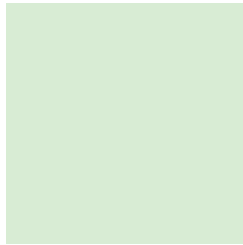
151, 0, 181



45, 0, 54

Previews

White Background



This preview shows how the RYB color 212, 236, 232 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 212, 236, 232 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

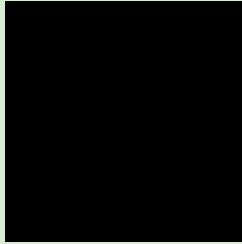
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

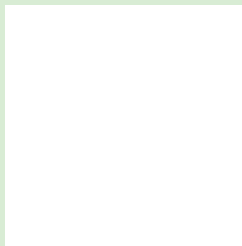
Any Text WCAG AAA ✓ Pass

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

RYB 212, 236, 232 Background



This preview shows how black text looks on a background with the RYB color 212, 236, 232.

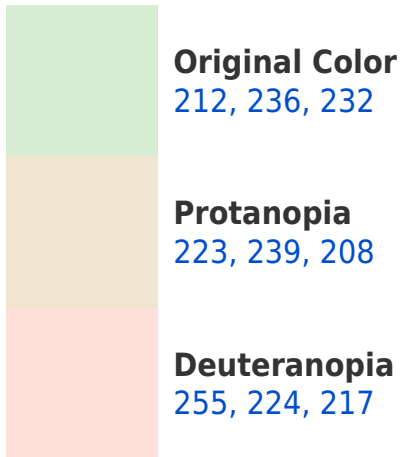


This preview shows how white text looks on a background with the RYB color 212, 236, 232.

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](#).

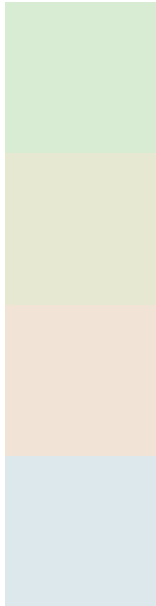
Dichromacy





Tritanopia
222, 229, 249

Trichromacy



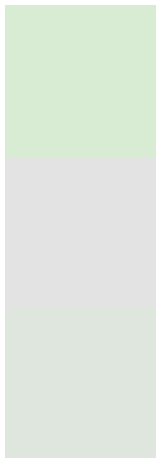
Original Color
212, 236, 232

Protanomaly
209, 232, 210

Deuteranomaly
241, 241, 215

Tritanomaly
220, 227, 236

Monochromacy



Original Color
212, 236, 232

Achromatopsia
227, 227, 227

Achromatomaly
222, 230, 229

CSS Examples

Text

The CSS property to change the color of the text to RYB 212, 236, 232 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(216, 236, 212)` looks like.

```
.text, #text, p{  
    color:rgb(216, 236, 212)  
}
```

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(216, 236, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 236, 212) }
```

Border

The CSS property to change the border of an element to RYB 212, 236, 232 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(216, 236, 212) }
```

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

```
.border{ border-color:rgb(216, 236, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 236, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 236, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 236, 212);  
box-shadow:4px 4px 4px 4px rgb(216, 236,  
212) }
```

Background

The CSS property to change the background color of an element to RYB 212, 236, 232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 236, 212) }
```

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

```
.background{ background-color: rgb(216,  
236, 212) }
```

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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