

Converting Colors

`RYB(217, 233, 236)`

Have a look what the booklet for
RYB(217, 233, 236) contains.

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Color

R_YB(217, 233, 236)

Conversions

Conversions Part 1

Format	Color
Hex	D9ECDD
RGB	217, 236, 221
RGB Percent	85%, 93%, 87%
CMY	0.1490, 0.0745, 0.1350
CMYK	0.08, 0.00, 0.07, 0.07
HSL	131°, 33%, 89%
HSV	131°, 8%, 93%
XYZ	71.6036, 79.9398, 79.7574
YIQ	228.6090, -6.5090, -8.6930

Conversions

Conversions Part 2

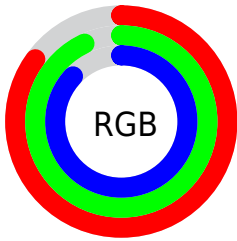
Format	Color
R_{YB}	217, 233, 236
Decimal	14281949
CIE Lab	91.66, -9.09, 5.33
CIE LCh	92, 10.534, 149.611
Yxy	79.9398, 0.3096, 0.3456
Android (android.graphics.Color)	4292472029 (0xFFD9ECDD)
YUV	228.6090, -3.7512, -10.1811
Hunter-Lab	89.4091, -13.5133, 9.6967

Details

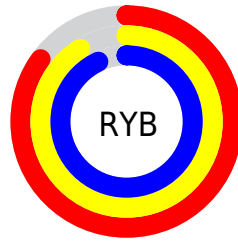
The RYB color **217, 233, 236** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **236, 217, 232**, and the grayscale version is **229, 229, 229**.

A 20% lighter version of the original color is 255, 255, 255, and **162, 177, 180** is the 20% darker color. If you saturate the color by 10%, you get **193, 229, 236**, and if you desaturate by 10%, it is **241, 236, 240**.

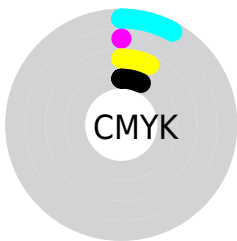
Distribution



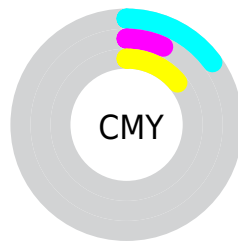
- Red (85%)
- Green (93%)
- Blue (87%)



- Red (85%)
- Yellow (91%)
- Blue (93%)



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



- Cyan (15%)
- Magenta (7%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the RYB color 217, 233, 236 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 217, 233, 236 by changing the saturation by 10% instead.

■ 217, 233, 236

255, 255, 255

■ 217, 233, 236

■ 189, 205, 208

■ 162, 177, 180

■ 136, 150, 153

■ 110, 124, 127

■ 86, 99, 102

■ 63, 76, 78

■ 41, 53, 55


■ 20, 32, 34

■ 0, 11, 11

 217, 233, 236

 217, 233, 236

 193, 229, 236

 241, 236, 240

 170, 226, 236

 255, 236, 255

 146, 222, 236

 123, 218, 236

 99, 214, 236

 75, 210, 236

 52, 207, 236

 28, 203, 236

 5, 200, 236

Harmonies

Analogous

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



213, 234, 219



217, 233, 236



209, 225, 237

Triad

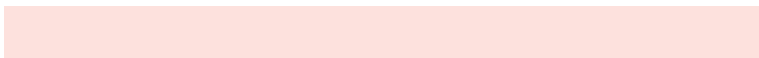
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



217, 233, 236



221, 229, 251



253, 226, 221

Complementary

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



217, 233, 236



236, 217, 232

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, 224, 232



217, 233, 236



233, 229, 249

Square

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



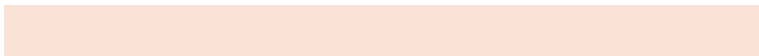
217, 233, 236



211, 226, 248



244, 226, 241



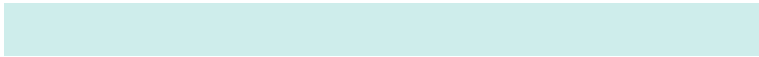
249, 235, 214

Rectangle

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



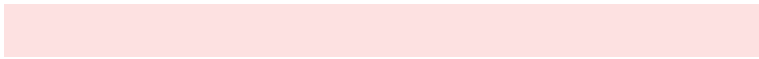
217, 233, 236



206, 222, 237



244, 226, 241



253, 225, 225

Sweetspot

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



217, 233, 236



250, 254, 255



217, 236, 220



125, 128, 128



0, 0, 0



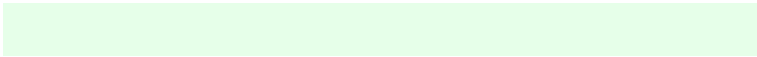
128, 128, 128

Same Dimension

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



217, 233, 236



230, 252, 255



217, 228, 236



106, 115, 117



0, 152, 181



0, 46, 54

Inverse Universe

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



236, 217, 232



255, 230, 250



236, 217, 223



117, 106, 115



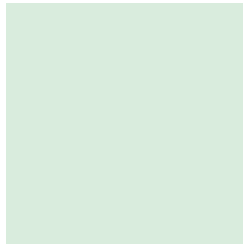
181, 0, 147



54, 0, 44

Previews

White Background



This preview shows how the RYB color 217, 233, 236 looks on a white background.

Color Contrast Check

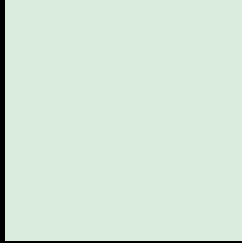
Large Text (above 18pt) WCAG AA × Fail

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 217, 233, 236 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

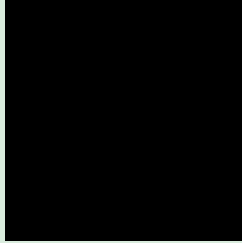
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

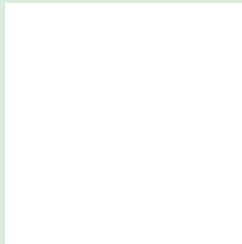
Any Text WCAG AAA ✓ Pass

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

RYB 217, 233, 236 Background



This preview shows how black text looks on a background with the RYB color 217, 233, 236.



This preview shows how white text looks on a background with the RYB color 217, 233, 236.

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

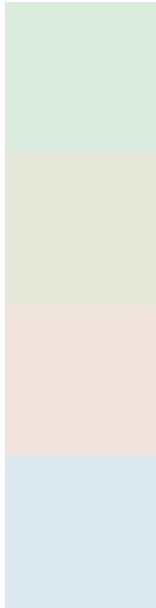




Tritanopia

222, 229, 250

Trichromacy



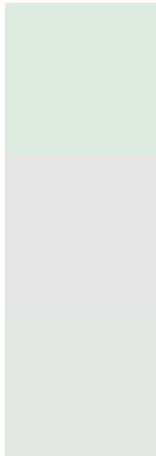
Original Color
217, 233, 236

Protanomaly
218, 232, 220

Deuteranomaly
241, 231, 222

Tritanomaly
220, 228, 239

Monochromacy



Original Color
217, 233, 236

Achromatopsia
229, 229, 229

Achromatomaly
225, 231, 232

CSS Examples

Text

The CSS property to change the color of the text to RYB 217, 233, 236 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(217, 236, 221)` looks like.

```
.text, #text, p{  
    color:rgb(217, 236, 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(217, 236, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 236, 221) }
```

Border

The CSS property to change the border of an element to RYB 217, 233, 236 is called "border". The border property can be set on classes, ids or directly on the HTML element.

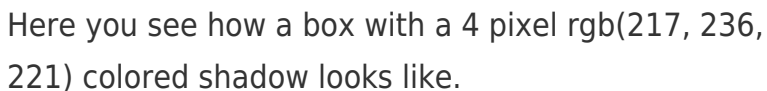
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(217, 236, 221) }
```

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

```
.border{ border-color:rgb(217, 236, 221) }
```

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



Here you see how a box with a 4 pixel `rgb(217, 236, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 236, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 236, 221);  
box-shadow:4px 4px 4px 4px rgb(217, 236,  
221) }
```

Background

The CSS property to change the background color of an element to RGB 217, 233, 236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 236, 221) }
```

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

```
.background{ background-color: rgb(217,  
236, 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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