

Converting Colors

`RYB(226, 236, 238)`

Have a look what the booklet for RYB(226, 236, 238) contains.

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Color

R_YB(226, 236, 238)

Conversions

Conversions Part 1

Format	Color
Hex	E2EEE4
RGB	226, 238, 228
RGB Percent	89%, 93%, 89%
CMY	0.1137, 0.0667, 0.1043
CMYK	0.05, 0.00, 0.04, 0.07
HSL	132°, 26%, 91%
HSV	132°, 5%, 93%
XYZ	75.9978, 82.9415, 85.6941
YIQ	233.2720, -3.9420, -5.6540

Conversions

Conversions Part 2

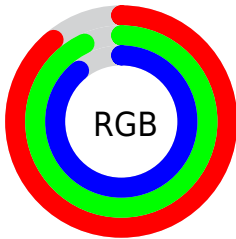
Format	Color
RYB	226, 236, 238
Decimal	14872292
CIELab	92.99, -5.70, 3.26
CIElCh	93, 6.566, 150.262
Yxy	82.9415, 0.3107, 0.3390
Android (android.graphics.Color)	4293062372 (0xFFE2EEE4)
YUV	233.2720, -2.5991, -6.3775
Hunter-Lab	91.0722, -10.4221, 7.9619

Details

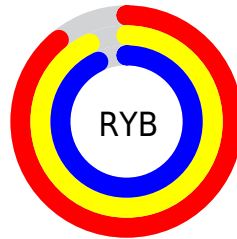
The RYB color **226, 236, 238** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **238, 226, 236**, and the grayscale version is **233, 233, 233**.

A 20% lighter version of the original color is 255, 255, 255, and **171, 180, 182** is the 20% darker color. If you saturate the color by 10%, you get **202, 232, 238**, and if you desaturate by 10%, it is **250, 238, 247**.

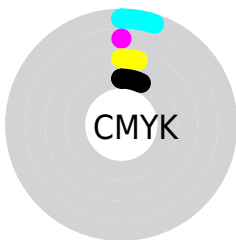
Distribution



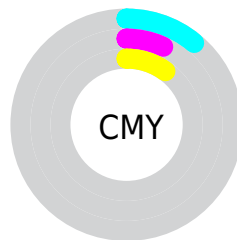
- Red (89%)
- Green (93%)
- Blue (89%)



- Red (89%)
- Yellow (93%)
- Blue (93%)



- Cyan (5%)
- Magenta (0%)
- Yellow (4%)
- Black (7%)



- Cyan (11%)
- Magenta (7%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the RYB color 226, 236, 238 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 226, 236, 238 by changing the saturation by 10% instead.

■ 226, 236, 238

255, 255, 255

■ 226, 236, 238

■ 198, 208, 210

■ 171, 180, 182

■ 144, 153, 155

■ 119, 127, 129

■ 94, 102, 104

■ 70, 78, 80

■ 48, 55, 57

■ 27, 34, 36

■ 0, 12, 14

 226, 236, 238

 226, 236, 238


 202, 232, 238

 250, 238, 247

 178, 228, 238

 255, 238, 255

 155, 225, 238

 131, 220, 238

 107, 216, 238

 83, 212, 238

 59, 208, 238

 36, 205, 238

 12, 200, 238

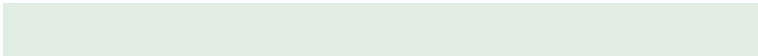
Harmonies

Analogous

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



224, 236, 227



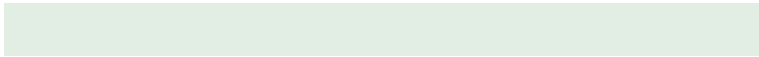
226, 236, 238



221, 231, 239

Triad

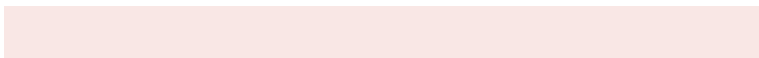
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



226, 236, 238



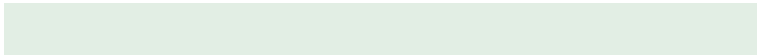
229, 234, 247



249, 231, 229

Complementary

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



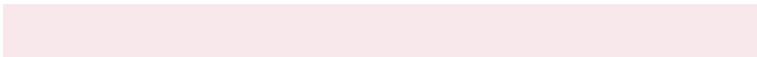
226, 236, 238



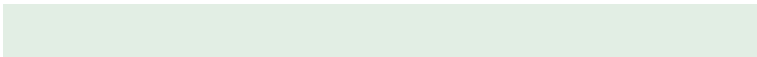
238, 226, 236

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.



248, 231, 235



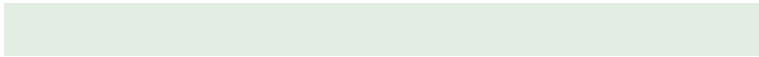
226, 236, 238



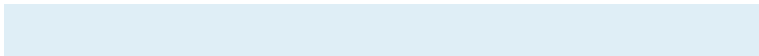
236, 233, 246

Square

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



226, 236, 238



223, 232, 246



243, 232, 241



246, 237, 224

Rectangle

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



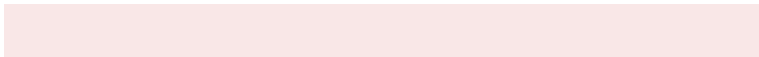
226, 236, 238



220, 230, 239



243, 232, 241



249, 231, 231

Sweetspot

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



226, 236, 238



250, 254, 255



226, 238, 228



125, 128, 128



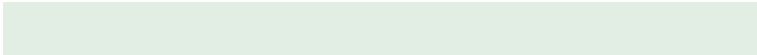
0, 0, 0



128, 128, 128

Same Dimension

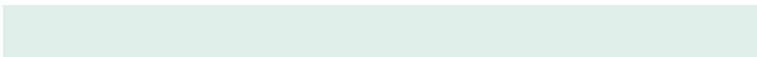
The Same Dimension uses a secret algorithm to generate beautiful new colors.



226, 236, 238



240, 253, 255



226, 233, 238



111, 118, 120



0, 153, 184



0, 47, 56

Inverse Universe

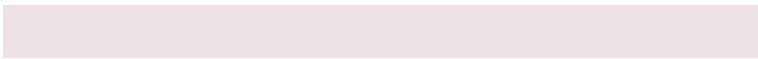
The Inverse Universe completely reimagines the original color for something new.



238, 226, 236



255, 240, 252



238, 226, 230



120, 111, 118



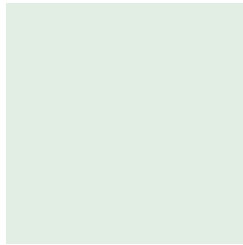
184, 0, 147



56, 0, 45

Previews

White Background



This preview shows how the RYB color 226, 236, 238 looks on a white background.

Color Contrast Check

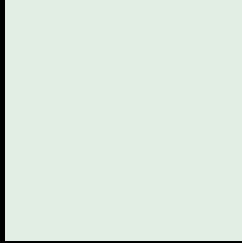
Large Text (above 18pt) WCAG AA × Fail

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 226, 236, 238 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

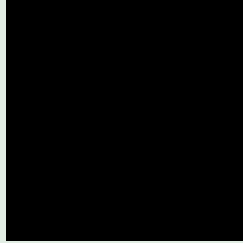
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

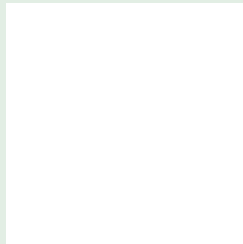
Any Text WCAG AAA ✓ Pass

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

RYB 226, 236, 238 Background



This preview shows how black text looks on a background with the RYB color 226, 236, 238.

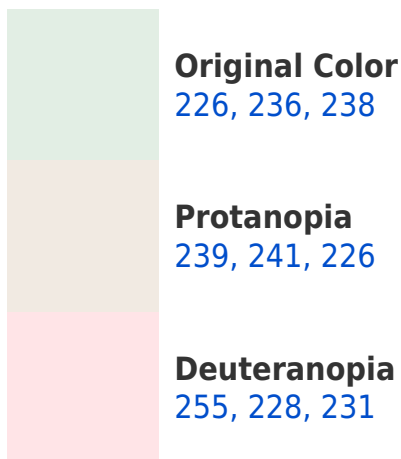


This preview shows how white text looks on a background with the RYB color 226, 236, 238.

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](#).

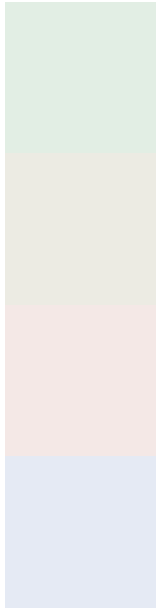
Dichromacy





Tritanopia
230, 233, 253

Trichromacy



Original Color

226, 236, 238

Protanomaly

228, 236, 227

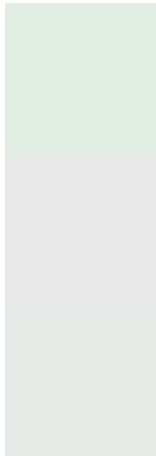
Deuteranomaly

244, 232, 230

Tritanomaly

229, 233, 244

Monochromacy



Original Color

226, 236, 238

Achromatopsia

233, 233, 233

Achromatomaly

230, 234, 235

CSS Examples

Text

The CSS property to change the color of the text to RYB 226, 236, 238 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(226, 238, 228)` looks like.

```
.text, #text, p{  
    color:rgb(226, 238, 228)  
}
```

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(226, 238, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 238, 228) }
```

Border

The CSS property to change the border of an element to RYB 226, 236, 238 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(226, 238, 228) }
```

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

```
.border{ border-color:rgb(226, 238, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 238, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(226, 238, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(226, 238, 228); box-shadow:4px 4px 4px 4px rgb(226, 238, 228) }
```

Background

The CSS property to change the background color of an element to RYB 226, 236, 238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 238, 228) }
```

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

```
.background{ background-color: rgb(226,  
238, 228) }
```

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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