

Converting Colors

`RYB(227, 234, 236)`

Have a look what the booklet for RYB(227, 234, 236) contains.

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Color

R_YB(227, 234, 236)

Conversions

Conversions Part 1

Format	Color
Hex	E3ECE6
RGB	227, 236, 230
RGB Percent	89%, 93%, 90%
CMY	0.1098, 0.0745, 0.0997
CMYK	0.04, 0.00, 0.03, 0.07
HSL	137°, 19%, 91%
HSV	137°, 4%, 93%
XYZ	75.8968, 82.0109, 86.3773
YIQ	232.6250, -3.4380, -3.7740

Conversions

Conversions Part 2

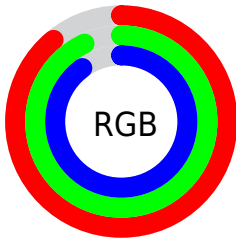
Format	Color
RYB	227, 234, 236
Decimal	14937318
CIELab	92.58, -4.14, 2.06
CIElCh	93, 4.628, 153.540
Yxy	82.0109, 0.3107, 0.3357
Android (android.graphics.Color)	4293127398 (0xFFE3ECE6)
YUV	232.6250, -1.2941, -4.9331
Hunter-Lab	90.5599, -8.8818, 6.8403

Details

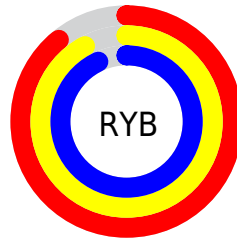
The RYB color **227, 234, 236** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **236, 227, 233**, and the grayscale version is **233, 233, 233**.

A 20% lighter version of the original color is 255, 255, 255, and **172, 178, 180** is the 20% darker color. If you saturate the color by 10%, you get **203, 228, 236**, and if you desaturate by 10%, it is **251, 236, 246**.

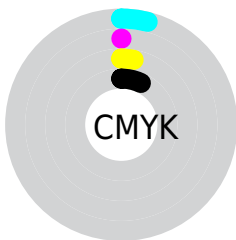
Distribution



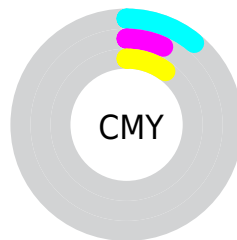
- Red (89%)
- Green (93%)
- Blue (90%)



- Red (89%)
- Yellow (92%)
- Blue (93%)



- Cyan (4%)
- Magenta (0%)
- Yellow (3%)
- Black (7%)



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

Brightness & Saturation Gradients

These gradients show how the RYB color 227, 234, 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 227, 234, 236 by changing the saturation by 10% instead.

■ 227, 234, 236

255, 255, 255

■ 227, 234, 236

■ 199, 206, 208

■ 172, 178, 180

■ 145, 151, 153

■ 119, 126, 128

■ 95, 100, 102

■ 71, 76, 78

■ 49, 54, 56


■ 28, 33, 34

■ 1, 10, 12

 227, 234, 236

 227, 234, 236

 203, 228, 236

 251, 236, 246

 180, 224, 236


 255, 236, 255


 156, 218, 236


 133, 213, 236

 109, 208, 236

 85, 203, 236

 62, 197, 236

 38, 192, 236

 15, 187, 236

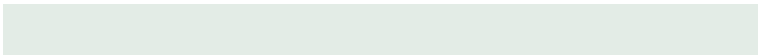
Harmonies

Analogous

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



226, 235, 229



227, 234, 236



224, 231, 236

Triad

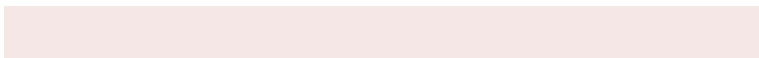
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



227, 234, 236



230, 233, 242



244, 231, 229

Complementary

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



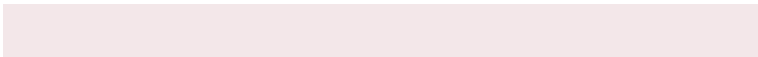
227, 234, 236



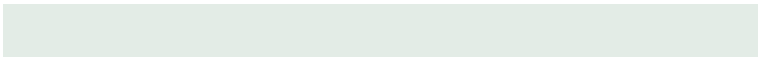
236, 227, 233

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.



243, 231, 233



227, 234, 236



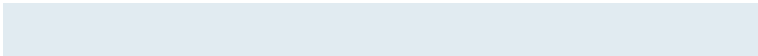
235, 232, 241

Square

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



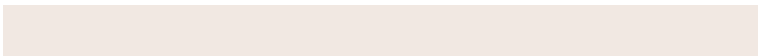
227, 234, 236



225, 231, 241



240, 231, 238



241, 236, 226

Rectangle

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



227, 234, 236



223, 230, 237



240, 231, 238



244, 231, 230

Sweetspot

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



227, 234, 236



252, 254, 255



227, 236, 230



126, 127, 128



0, 0, 0



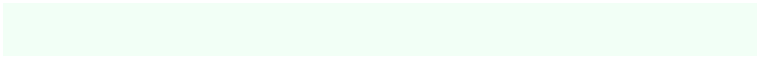
128, 128, 128

Same Dimension

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



227, 234, 236



242, 252, 255



227, 232, 236



110, 115, 117



0, 141, 181



0, 42, 54

Inverse Universe

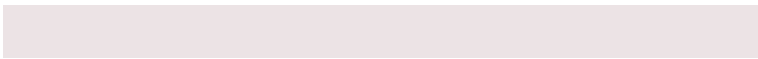
The Inverse Universe completely reimagines the original color for something new.



236, 227, 233



255, 242, 251



236, 227, 229



117, 110, 115



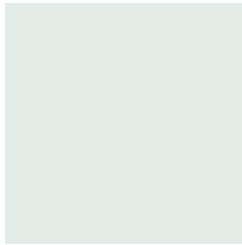
181, 0, 129



54, 0, 38

Previews

White Background



This preview shows how the RYB color 227, 234, 236 looks on a white background.

Color Contrast Check

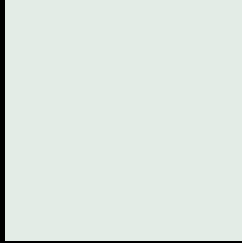
Large Text (above 18pt) WCAG AA × Fail

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 227, 234, 236 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

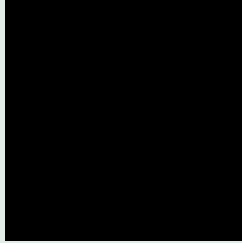
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

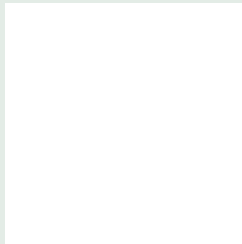
Any Text WCAG AAA ✓ Pass

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

RYB 227, 234, 236 Background



This preview shows how black text looks on a background with the RYB color 227, 234, 236.



This preview shows how white text looks on a background with the RYB color 227, 234, 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](#).

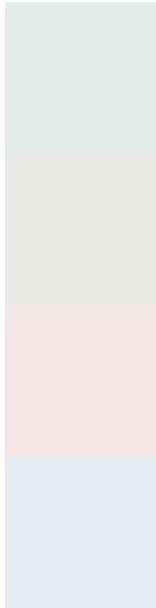
Dichromacy





Tritanopia
230, 233, 251

Trichromacy



Original Color

227, 234, 236

Protanomaly

232, 235, 229

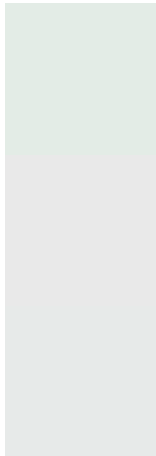
Deuteranomaly

245, 230, 231

Tritanomaly

229, 233, 243

Monochromacy



Original Color

227, 234, 236

Achromatopsia

233, 233, 233

Achromatomaly

231, 233, 234

CSS Examples

Text

The CSS property to change the color of the text to RYB 227, 234, 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(227, 236, 230)` looks like.

```
.text, #text, p{  
    color:rgb(227, 236, 230)  
}
```

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(227, 236, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 236, 230) }
```

Border

The CSS property to change the border of an element to RYB 227, 234, 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(227, 236, 230) }
```

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

```
.border{ border-color:rgb(227, 236, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 236, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 236, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 236, 230);  
box-shadow:4px 4px 4px 4px rgb(227, 236,  
230) }
```

Background

The CSS property to change the background color of an element to RYB 227, 234, 236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 236, 230) }
```

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

```
.background{ background-color: rgb(227,  
236, 230) }
```

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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