

Converting Colors

`RYB(230, 236, 235)`

Have a look what the booklet for
RYB(230, 236, 235) contains.

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Color

R_YB(230, 236, 235)

Conversions

Conversions Part 1

Format	Color
Hex	E7ECE6
RGB	231, 236, 230
RGB Percent	91%, 93%, 90%
CMY	0.0941, 0.0745, 0.0980
CMYK	0.02, 0.00, 0.03, 0.07
HSL	110°, 14%, 91%
HSV	110°, 3%, 93%
XYZ	77.2334, 82.6930, 86.7536
YIQ	233.8210, -1.0540, -2.9260

Conversions

Conversions Part 2

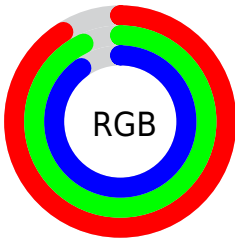
Format	Color
R _Y B	230, 236, 235
Decimal	15199462
CIE Lab	92.88, -2.73, 2.31
CIE LCh	93, 3.577, 139.751
Yxy	82.6930, 0.3131, 0.3352
Android (android.graphics.Color)	4293389542 (0xFFE7ECE6)
YUV	233.8210, -1.8838, -2.4740
Hunter-Lab	90.9357, -7.5341, 7.0917

Details

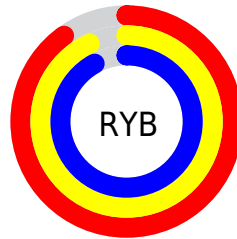
The RYB color `230, 236, 235` is a light color, and the websafe version is hex `FFFFFF`. A complement of this color would be `235, 230, 236`, and the grayscale version is `234, 234, 234`.

A 20% lighter version of the original color is `255, 255, 255`, and `175, 180, 180` is the 20% darker color. If you saturate the color by 10%, you get `206, 236, 231`, and if you desaturate by 10%, it is `251, 236, 254`.

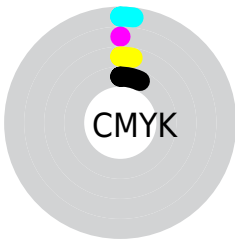
Distribution



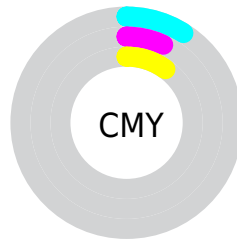
- Red (91%)
- Green (93%)
- Blue (90%)



- Red (90%)
- Yellow (93%)
- Blue (92%)



- Cyan (2%)
- Magenta (0%)
- Yellow (3%)
- Black (7%)



- Cyan (9%)
- Magenta (7%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the RYB color 230, 236, 235 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 230, 236, 235 by changing the saturation by 10% instead.

■ 230, 236, 235

255, 255, 255

■ 230, 236, 235

■ 202, 208, 207

■ 175, 180, 180

■ 148, 153, 152

■ 122, 128, 127

■ 97, 102, 101

■ 74, 79, 79

■ 51, 56, 55


■ 30, 34, 33

■ 5, 12, 11

 230, 236, 235

 230, 236, 235

 206, 236, 231

 251, 236, 254

 183, 236, 227

 255, 236, 255

 159, 236, 223

 136, 236, 220

 112, 236, 215

 88, 236, 211

 65, 236, 208

 41, 236, 203

 18, 236, 200

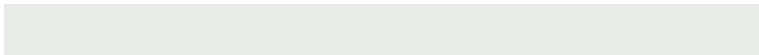
Harmonies

Analogous

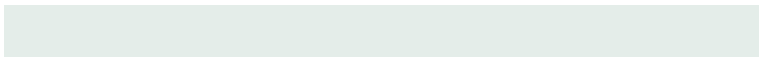
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



228, 235, 228



230, 236, 235



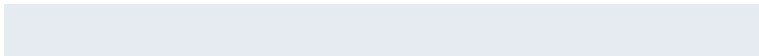
228, 234, 237

Triad

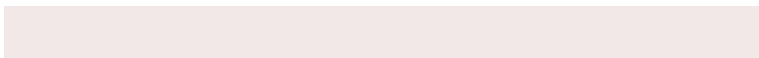
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



230, 236, 235



230, 233, 241



242, 232, 232

Complementary

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



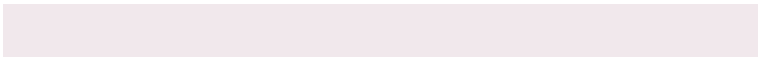
230, 236, 235



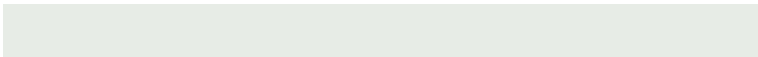
235, 230, 236

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.



241, 232, 236



230, 236, 235



234, 234, 241

Square

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



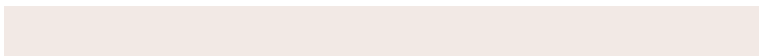
230, 236, 235



227, 232, 240



238, 233, 239



242, 235, 229

Rectangle

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



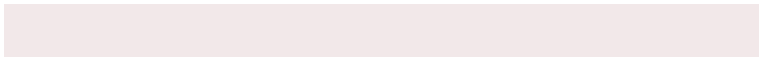
230, 236, 235



227, 232, 237



238, 233, 239



242, 232, 233

Sweetspot

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



230, 236, 235



252, 255, 254



231, 236, 230



126, 128, 128



0, 0, 0



128, 128, 128

Same Dimension

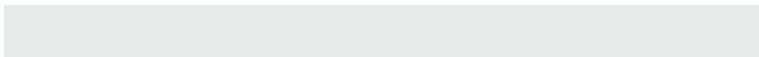
The Same Dimension uses a secret algorithm to generate beautiful new colors.



230, 236, 235



247, 255, 253



230, 235, 236



113, 117, 117



0, 181, 151



0, 54, 45

Inverse Universe

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



235, 230, 236



254, 247, 255



236, 230, 234



117, 113, 117



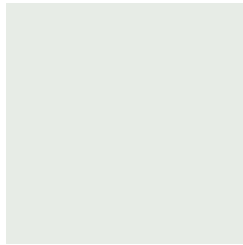
151, 0, 181



45, 0, 54

Previews

White Background



This preview shows how the RYB color 230, 236, 235 looks on a white background.

Color Contrast Check

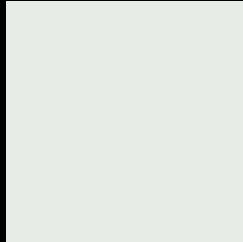
Large Text (above 18pt) WCAG AA × Fail

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 230, 236, 235 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

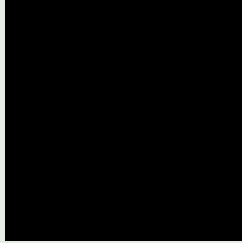
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

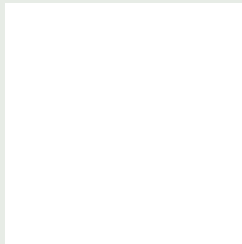
Any Text WCAG AAA ✓ Pass

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

RYB 230, 236, 235 Background



This preview shows how black text looks on a background with the RYB color 230, 236, 235.



This preview shows how white text looks on a background with the RYB color 230, 236, 235.

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](#).

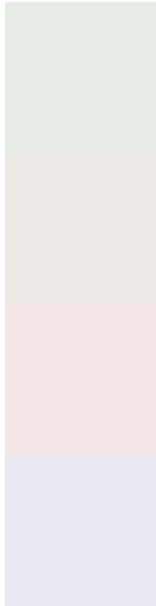
Dichromacy

	Original Color 230 , 236 , 235
	Protanopia 240 , 235 , 229
	Deuteranopia 255 , 228 , 232



Tritanopia
234, 233, 251

Trichromacy



Original Color

230, 236, 235

Protanomaly

234, 237, 229

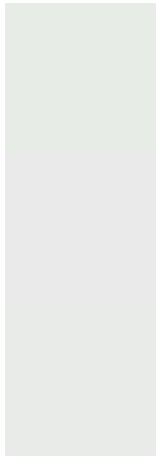
Deuteranomaly

246, 231, 231

Tritanomaly

233, 234, 243

Monochromacy



Original Color

230, 236, 235

Achromatopsia

234, 234, 234

Achromatomaly

233, 235, 235

CSS Examples

Text

The CSS property to change the color of the text to RYB 230, 236, 235 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(231, 236, 230) looks like.

```
.text, #text, p{  
    color:rgb(231, 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(231, 236, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 236, 230) }
```

Border

The CSS property to change the border of an element to RYB 230, 236, 235 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(231, 236, 230) }
```

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

```
.border{ border-color:rgb(231, 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(231, 236, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 236, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 236, 230);  
box-shadow:4px 4px 4px 4px rgb(231, 236,  
230) }
```

Background

The CSS property to change the background color of an element to RYB 230, 236, 235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 236, 230) }
```

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

```
.background{ background-color: rgb(231,  
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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