

# Converting Colors

`RYB(230, 249, 241)`

Have a look what the booklet for  
RYB(230, 249, 241) contains.

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# **Color**

**R<sub>Y</sub>B(230, 249, 241)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	EEF9E6
RGB	238, 249, 230
RGB Percent	93%, 98%, 90%
CMY	0.0667, 0.0235, 0.0980
CMYK	0.04, 0.00, 0.08, 0.02
HSL	95°, 61%, 94%
HSV	95°, 8%, 98%
XYZ	83.4185, 91.6417, 88.1549
YIQ	243.5450, -0.4570, -8.2410

# Conversions

## Conversions Part 2

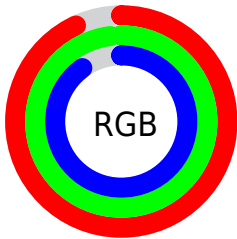
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	230, 249, 241
Decimal	15661542
CIE Lab	96.67, -6.95, 7.86
CIE LCh	97, 10.489, 131.471
Yxy	91.6417, 0.3169, 0.3482
Android (android.graphics.Color)	4293851622 (0xFFEEF9E6)
YUV	243.5450, -6.6777, -4.8630
Hunter-Lab	95.7297, -11.9826, 12.4122

# Details

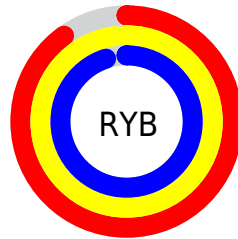
The RYB color **230, 249, 241** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **241, 230, 249**, and the grayscale version is **244, 244, 244**.

A 20% lighter version of the original color is **255, 255, 255**, and **175, 193, 186** is the 20% darker color. If you saturate the color by 10%, you get **205, 249, 230**, and if you desaturate by 10%, it is **252, 249, 255**.

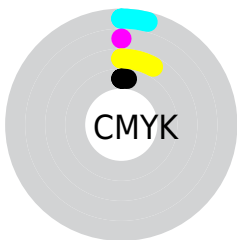
# Distribution



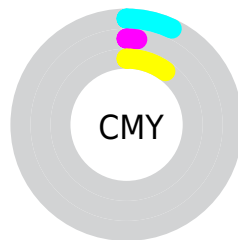
- Red (93%)
- Green (98%)
- Blue (90%)



- Red (90%)
- Yellow (98%)
- Blue (95%)



- Cyan (4%)
- Magenta (0%)
- Yellow (8%)
- Black (2%)



- Cyan (7%)
- Magenta (2%)
- Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 230, 249, 241 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, 249, 241 by changing the saturation by 10% instead.



 230, 249, 241


255, 255, 255


 230, 249, 241

 202, 220, 212


 175, 193, 186

 148, 165, 158

 122, 139, 132

 97, 114, 107

 73, 89, 82

 51, 66, 60

 30, 44, 39

 5, 23, 13

230, 249, 241

230, 249, 241

205, 249, 230

252, 249, 255

180, 249, 220

255, 249, 255

155, 249, 209

130, 249, 199

106, 249, 189

81, 249, 178

56, 249, 168

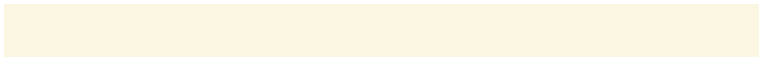
31, 249, 157

6, 249, 147

# Harmonies

## Analogous

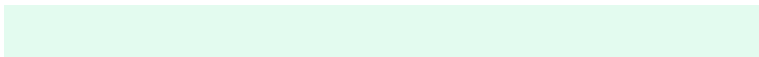
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



231, 250, 226



230, 249, 241



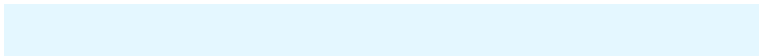
227, 243, 251

# Triad

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



230, 249, 241



228, 239, 255



255, 239, 242

# Complementary

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



230, 249, 241



241, 230, 249

# Split Complementary

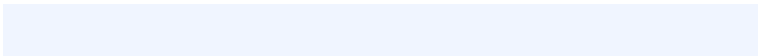
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



255, 239, 252



230, 249, 241



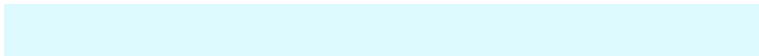
240, 244, 255

# Square

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



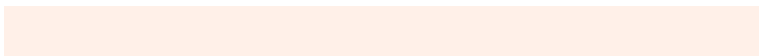
230, 249, 241



221, 237, 255



252, 242, 255



255, 244, 232

# Rectangle

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



230, 249, 241



223, 239, 252



252, 242, 255



255, 239, 245



# Sweetspot

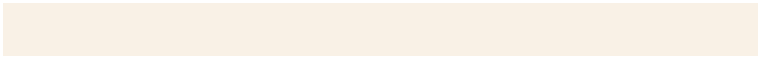
The Sweet Spot groups the original color and five complimentary colors.



230, 249, 241



250, 255, 253



244, 249, 230



125, 128, 127



0, 0, 0



128, 128, 128



# Same Dimension

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



230, 249, 241



232, 255, 245



230, 248, 249



112, 125, 119



0, 189, 110



0, 61, 35



# Inverse Universe

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



241, 230, 249



245, 232, 255



249, 230, 248



120, 112, 125



109, 0, 189

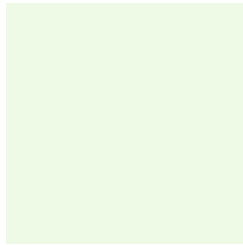


35, 0, 61



# Previews

## White Background



This preview shows how the RYB color 230, 249, 241 looks on a white background.

## Color Contrast Check

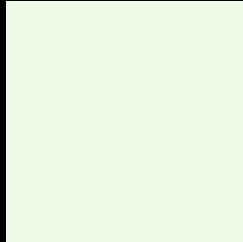
Large Text (above 18pt) WCAG AA × Fail

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, 249, 241 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

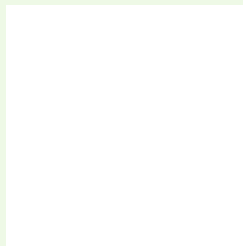
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## RYP 230, 249, 241 Background



This preview shows how black text looks on a background with the RYP color 230, 249, 241.

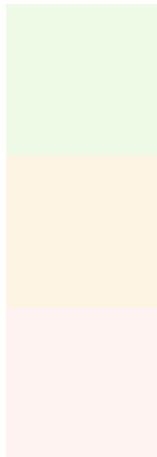


This preview shows how white text looks on a background with the RYP color 230, 249, 241.

# 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](#), [249](#), [241](#)

**Protanopia**  
[243](#), [254](#), [227](#)

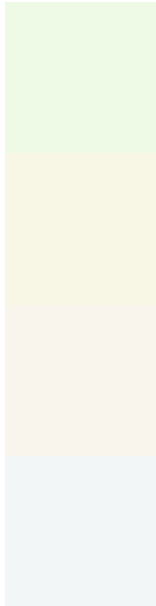
**Deuteranopia**  
[255](#), [243](#), [241](#)



# Tritanopia

244, 245, 255

# Trichromacy



## Original Color

230, 249, 241

## Protanomaly

230, 248, 228

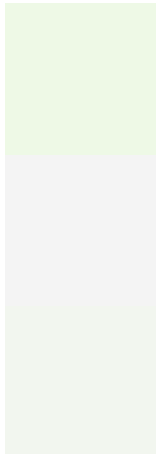
## Deuteranomaly

243, 249, 237

## Tritanomaly

242, 244, 246

# Monochromacy



## Original Color

230, 249, 241

## Achromatopsia

244, 244, 244

## Achromatomaly

239, 246, 243

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 230, 249, 241 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(238, 249, 230)` looks like.

```
.text, #text, p{  
    color:rgb(238, 249, 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(238, 249, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 249, 230) }
```

## Border

The CSS property to change the border of an element to RYB 230, 249, 241 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(238, 249, 230) }
```

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

```
.border{ border-color:rgb(238, 249, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 249, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 249, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 249, 230);  
box-shadow:4px 4px 4px 4px rgb(238, 249,  
230) }
```

# Background

The CSS property to change the background color of an element to RYB 230, 249, 241 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 249, 230) }
```

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

```
.background{ background-color: rgb(238,  
249, 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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