

Converting Colors

`RYB(230, 245, 242)`

Have a look what the booklet for
RYB(230, 245, 242) contains.

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Color

R_YB(230, 245, 242)

Conversions

Conversions Part 1

Format	Color
Hex	E9F5E6
RGB	233, 245, 230
RGB Percent	91%, 96%, 90%
CMY	0.0863, 0.0392, 0.0980
CMYK	0.05, 0.00, 0.06, 0.04
HSL	108°, 43%, 93%
HSV	108°, 6%, 96%
XYZ	80.5396, 88.3416, 87.6697
YIQ	239.7020, -2.3370, -7.2090

Conversions

Conversions Part 2

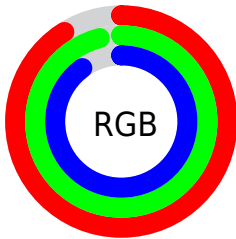
Format	Color
R _Y B	230, 245, 242
Decimal	15332838
CIE Lab	95.30, -6.62, 5.84
CIE LCh	95, 8.826, 138.561
Yxy	88.3416, 0.3139, 0.3443
Android (android.graphics.Color)	4293522918 (0xFFE9F5E6)
YUV	239.7020, -4.7831, -5.8777
Hunter-Lab	93.9902, -11.5274, 10.4902

Details

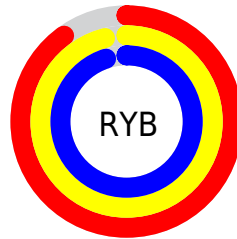
The RYB color **230, 245, 242** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **242, 230, 245**, and the grayscale version is **240, 240, 240**.

A 20% lighter version of the original color is **255, 255, 255**, and **175, 189, 187** is the 20% darker color. If you saturate the color by 10%, you get **206, 245, 238**, and if you desaturate by 10%, it is **253, 245, 255**.

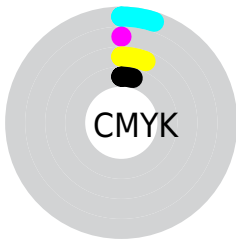
Distribution



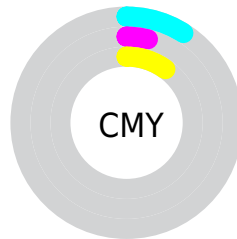
- Red (91%)
- Green (96%)
- Blue (90%)



- Red (90%)
- Yellow (96%)
- Blue (95%)



- Cyan (5%)
- Magenta (0%)
- Yellow (6%)
- Black (4%)



- Cyan (9%)
- Magenta (4%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the RYB color 230, 245, 242 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, 245, 242 by changing the saturation by 10% instead.

 230, 245, 242


255, 255, 255


 230, 245, 242

 202, 217, 214


 175, 189, 187


 148, 162, 159

 122, 136, 133

 97, 110, 107

 74, 86, 84

 51, 63, 61

 30, 41, 39

 5, 21, 17

 230, 245, 242

 230, 245, 242

 206, 245, 238

 253, 245, 255

 181, 245, 232

 255, 245, 255


 157, 245, 228

 132, 245, 222

 108, 245, 218

 83, 245, 213

 59, 245, 208

 34, 245, 203

 10, 245, 198

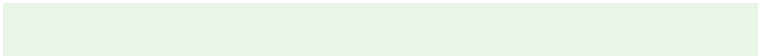
Harmonies

Analogous

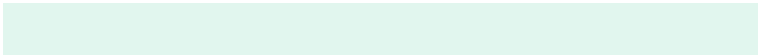
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



225, 243, 225



230, 245, 242



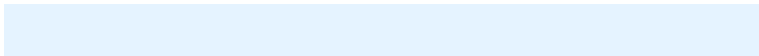
225, 238, 246

Triad

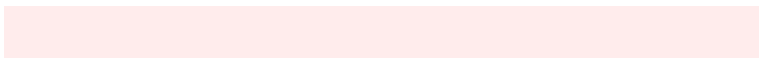
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



230, 245, 242



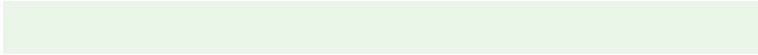
229, 238, 255



255, 236, 236

Complementary

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



230, 245, 242



242, 230, 245

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, 236, 245



230, 245, 242



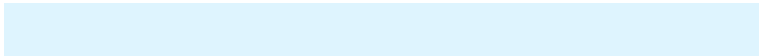
239, 240, 255

Square

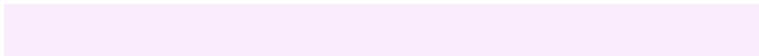
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



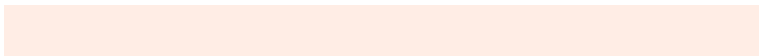
230, 245, 242



222, 235, 254



250, 238, 253



255, 241, 229

Rectangle

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



230, 245, 242



222, 235, 247



250, 238, 253



255, 236, 239

Sweetspot

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



230, 245, 242



250, 255, 254



234, 245, 230



125, 128, 128



0, 0, 0



128, 128, 128

Same Dimension

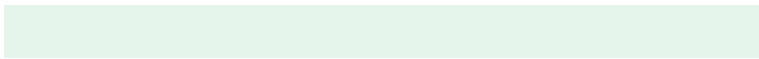
The Same Dimension uses a secret algorithm to generate beautiful new colors.



230, 245, 242



237, 255, 251



230, 241, 245



113, 122, 120



0, 186, 149



0, 59, 47

Inverse Universe

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



242, 230, 245



251, 237, 255



245, 230, 241



120, 113, 122



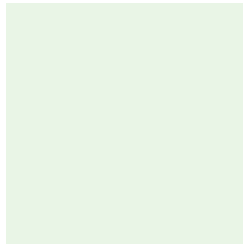
149, 0, 186



47, 0, 59

Previews

White Background



This preview shows how the RYB color 230, 245, 242 looks on a white background.

Color Contrast Check

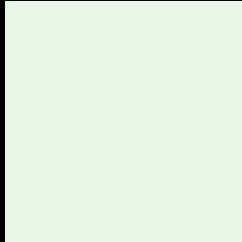
Large Text (above 18pt) WCAG AA × Fail

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, 245, 242 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

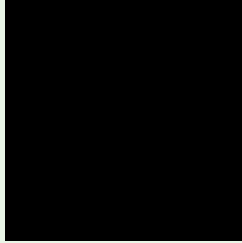
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

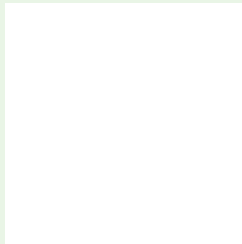
Any Text WCAG AAA ✓ Pass

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

RYB 230, 245, 242 Background



This preview shows how black text looks on a background with the RYB color 230, 245, 242.

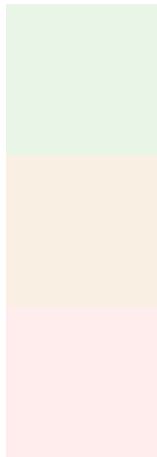


This preview shows how white text looks on a background with the RYB color 230, 245, 242.

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](#), [245](#), [242](#)

Protanopia
[242](#), [249](#), [227](#)

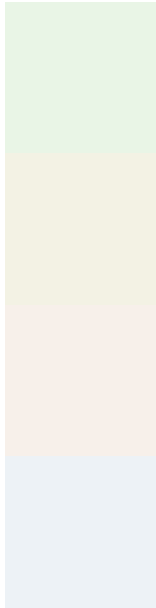
Deuteranopia
[255](#), [237](#), [237](#)



Tritanopia

239, 241, 255

Trichromacy



Original Color

230, 245, 242

Protanomaly

229, 243, 228

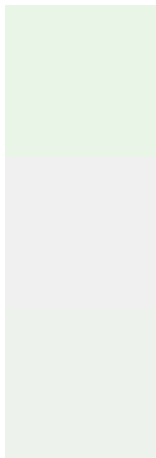
Deuteranomaly

247, 245, 234

Tritanomaly

237, 240, 246

Monochromacy



Original Color

230, 245, 242

Achromatopsia

240, 240, 240

Achromatomaly

236, 242, 241

CSS Examples

Text

The CSS property to change the color of the text to RYB 230, 245, 242 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(233, 245, 230) looks like.

```
.text, #text, p{  
    color:rgb(233, 245, 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(233, 245, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 245, 230) }
```

Border

The CSS property to change the border of an element to RYB 230, 245, 242 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(233, 245, 230) }
```

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

```
.border{ border-color:rgb(233, 245, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 245, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 245, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 245, 230);  
box-shadow:4px 4px 4px 4px rgb(233, 245,  
230) }
```

Background

The CSS property to change the background color of an element to RYB 230, 245, 242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 245, 230) }
```

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

```
.background{ background-color: rgb(233,  
245, 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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