

Converting Colors

`RYB(233, 242, 240)`

Have a look what the booklet for
RYB(233, 242, 240) contains.

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Color

R_YB(233, 242, 240)

Conversions

Conversions Part 1

Format	Color
Hex	EBF2E9
RGB	235, 242, 233
RGB Percent	92%, 95%, 91%
CMY	0.0784, 0.0510, 0.0863
CMYK	0.03, 0.00, 0.04, 0.05
HSL	107°, 26%, 93%
HSV	107°, 4%, 95%
XYZ	80.7211, 87.0496, 89.6386
YIQ	238.8810, -1.2830, -4.2830

Conversions

Conversions Part 2

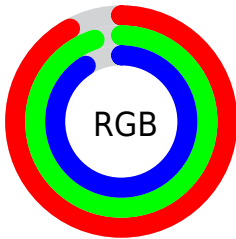
Format	Color
R_{YB}	233, 242, 240
Decimal	15463145
CIE _{Lab}	94.76, -3.91, 3.52
CIE _{LCh}	95, 5.261, 138.024
Yxy	87.0496, 0.3136, 0.3382
Android (android.graphics.Color)	4293653225 (0xFFEBF2E9)
YUV	238.8810, -2.8993, -3.4036
Hunter-Lab	93.3004, -8.8421, 8.3472

Details

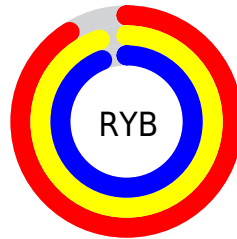
The RYB color **233, 242, 240** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **240, 233, 242**, and the grayscale version is **239, 239, 239**.

A 20% lighter version of the original color is **255, 255, 255**, and **177, 186, 184** is the 20% darker color. If you saturate the color by 10%, you get **209, 242, 235**, and if you desaturate by 10%, it is **254, 242, 255**.

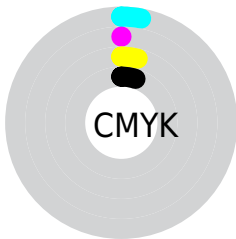
Distribution



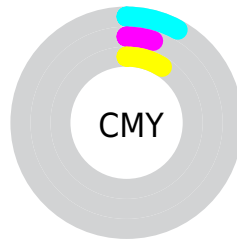
- Red (92%)
- Green (95%)
- Blue (91%)



- Red (91%)
- Yellow (95%)
- Blue (94%)



- Cyan (3%)
- Magenta (0%)
- Yellow (4%)
- Black (5%)



- Cyan (8%)
- Magenta (5%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the RYB color 233, 242, 240 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 233, 242, 240 by changing the saturation by 10% instead.

■ 233, 242, 240

255, 255, 255

■ 233, 242, 240

■ 205, 214, 212

■ 177, 186, 184

■ 151, 159, 157

■ 125, 133, 131

■ 100, 108, 106

■ 76, 83, 81

■ 53, 60, 58

■ 32, 39, 38

■ 9, 18, 16

 233, 242, 240

 233, 242, 240

 209, 242, 235

 254, 242, 255

 185, 242, 230

 255, 242, 255

 160, 242, 223

 136, 242, 218

 112, 242, 213

 88, 242, 208

 64, 242, 203

 39, 242, 197

 15, 242, 191

Harmonies

Analogous

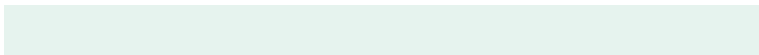
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



230, 241, 230



233, 242, 240



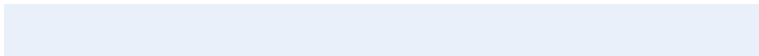
230, 238, 243

Triad

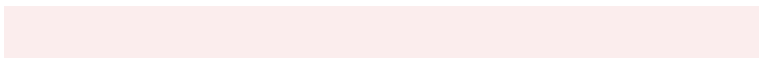
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



233, 242, 240



233, 238, 250



251, 237, 237

Complementary

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



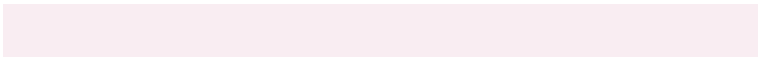
233, 242, 240



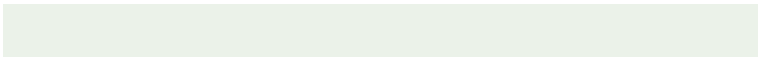
240, 233, 242

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.



249, 237, 242



233, 242, 240



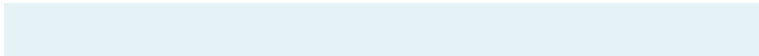
239, 239, 250

Square

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



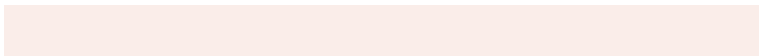
233, 242, 240



229, 237, 247



245, 238, 247



250, 238, 233

Rectangle

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



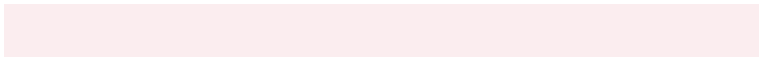
233, 242, 240



228, 236, 243



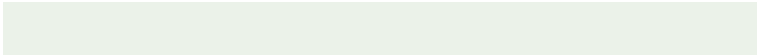
245, 238, 247



251, 237, 239

Sweetspot

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



233, 242, 240



252, 255, 254



236, 242, 233



126, 128, 127



0, 0, 0



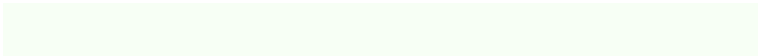
128, 128, 128

Same Dimension

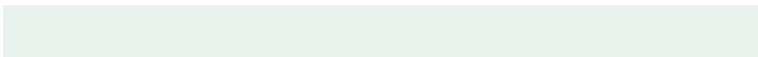
The Same Dimension uses a secret algorithm to generate beautiful new colors.



233, 242, 240



245, 255, 253



233, 240, 242



114, 120, 119



0, 184, 143



0, 56, 44

Inverse Universe

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



240, 233, 242



253, 245, 255



242, 233, 240



119, 114, 120



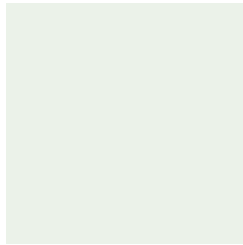
143, 0, 184



44, 0, 56

Previews

White Background



This preview shows how the RYB color 233, 242, 240 looks on a white background.

Color Contrast Check

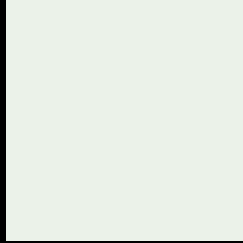
Large Text (above 18pt) WCAG AA × Fail

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 233, 242, 240 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

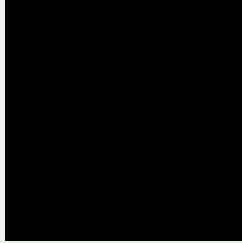
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

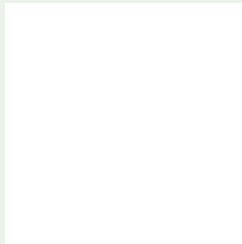
Any Text WCAG AAA ✓ Pass

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

RYB 233, 242, 240 Background



This preview shows how black text looks on a background with the RYB color 233, 242, 240.

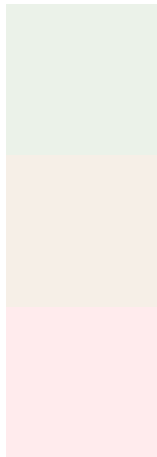


This preview shows how white text looks on a background with the RYB color 233, 242, 240.

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
233, 242, 240

Protanopia
244, 246, 231

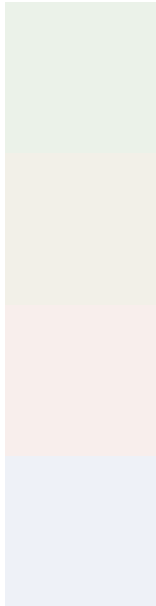
Deuteranopia
255, 235, 237



Tritanopia

239, 239, 255

Trichromacy



Original Color

233, 242, 240

Protanomaly

235, 242, 232

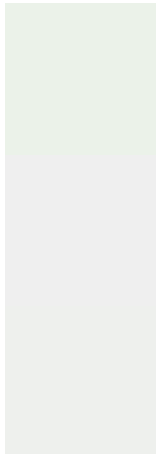
Deuteranomaly

248, 238, 236

Tritanomaly

238, 240, 247

Monochromacy



Original Color

233, 242, 240

Achromatopsia

239, 239, 239

Achromatomaly

237, 240, 239

CSS Examples

Text

The CSS property to change the color of the text to RYB 233, 242, 240 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(235, 242, 233) looks like.

```
.text, #text, p{  
    color:rgb(235, 242, 233)  
}
```

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(235, 242, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 242, 233) }
```

Border

The CSS property to change the border of an element to RYB 233, 242, 240 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(235, 242, 233) }
```

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

```
.border{ border-color:rgb(235, 242, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 242, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 242, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 242, 233);  
box-shadow:4px 4px 4px 4px rgb(235, 242,  
233) }
```

Background

The CSS property to change the background color of an element to RYB 233, 242, 240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 242, 233) }
```

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

```
.background{ background-color: rgb(235,  
242, 233) }
```

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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