

Converting Colors

`RYB(227, 240, 238)`

Have a look what the booklet for
RYB(227, 240, 238) contains.

RYB(227, 240, 238)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(227, 240, 238)

Conversions

Conversions Part 1

Format	Color
Hex	E5F0E3
RGB	229, 240, 227
RGB Percent	90%, 94%, 89%
CMY	0.1020, 0.0588, 0.1098
CMYK	0.05, 0.00, 0.05, 0.06
HSL	111°, 30%, 92%
HSV	111°, 5%, 94%
XYZ	77.3383, 84.5242, 84.9117
YIQ	235.2290, -2.3830, -6.3750

Conversions

Conversions Part 2

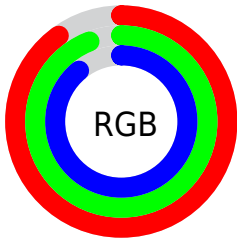
Format	Color
R_{YB}	227, 240, 238
Decimal	15069411
CIE Lab	93.68, -5.96, 5.01
CIE LCh	94, 7.784, 139.949
Yxy	84.5242, 0.3134, 0.3425
Android (android.graphics.Color)	4293259491 (0xFFE5F0E3)
YUV	235.2290, -4.0569, -5.4628
Hunter-Lab	91.9371, -10.7340, 9.5966

Details

The RYB color **227, 240, 238** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **238, 227, 240**, and the grayscale version is **235, 235, 235**.

A 20% lighter version of the original color is **255, 255, 255**, and **172, 184, 182** is the 20% darker color. If you saturate the color by 10%, you get **203, 240, 234**, and if you desaturate by 10%, it is **249, 240, 251**.

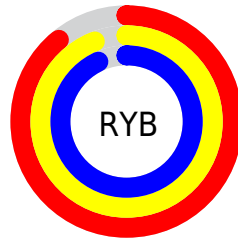
Distribution



Red (90%)

Green (94%)

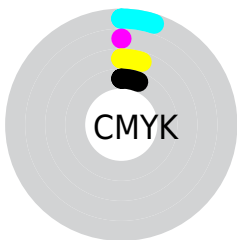
Blue (89%)



Red (89%)

Yellow (94%)

Blue (93%)

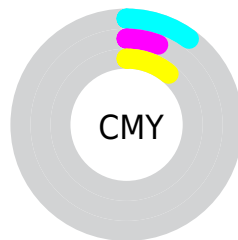


Cyan (5%)

Magenta (0%)

Yellow (5%)

Black (6%)



Cyan (10%)

Magenta (6%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the RYB color 227, 240, 238 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, 240, 238 by changing the saturation by 10% instead.

■ 227, 240, 238

255, 255, 255

■ 227, 240, 238

■ 199, 212, 210

■ 172, 184, 182

■ 145, 157, 155

■ 119, 131, 129

■ 95, 106, 105

■ 71, 82, 80

■ 49, 59, 58

■ 28, 37, 36

■ 1, 16, 13

 227, 240, 238

 227, 240, 238


 203, 240, 234

 249, 240, 251

 179, 240, 231

 255, 240, 255

 155, 240, 227

 131, 240, 223

 107, 240, 220

 83, 240, 216

 59, 240, 212

 35, 240, 208

 11, 240, 205

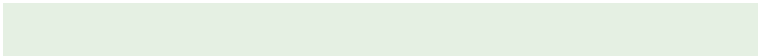
Harmonies

Analogous

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



223, 238, 223



227, 240, 238



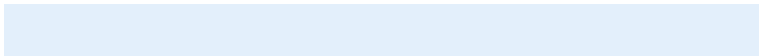
222, 234, 241

Triad

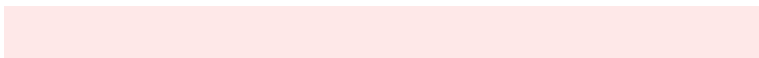
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



227, 240, 238



227, 235, 251



254, 232, 232

Complementary

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



227, 240, 238



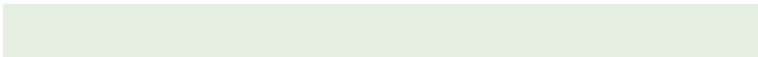
238, 227, 240

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.



251, 232, 240



227, 240, 238



235, 236, 251

Square

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



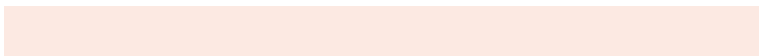
227, 240, 238



220, 232, 248



244, 233, 247



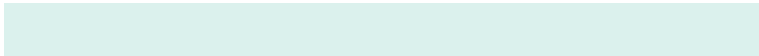
252, 236, 226

Rectangle

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



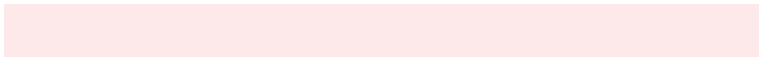
227, 240, 238



219, 231, 241



244, 233, 247



253, 232, 234

Sweetspot

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



227, 240, 238



250, 255, 254



229, 240, 227



125, 128, 128



0, 0, 0



128, 128, 128

Same Dimension

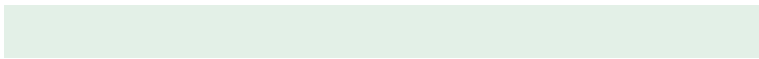
The Same Dimension uses a secret algorithm to generate beautiful new colors.



227, 240, 238



237, 255, 252



227, 237, 240



110, 120, 118



0, 184, 156



0, 56, 47

Inverse Universe

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



238, 227, 240



252, 237, 255



240, 227, 236



118, 110, 120



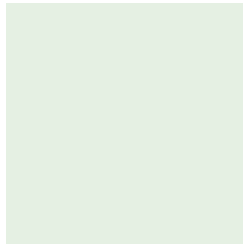
155, 0, 184



47, 0, 56

Previews

White Background



This preview shows how the RYB color 227, 240, 238 looks on a white background.

Color Contrast Check

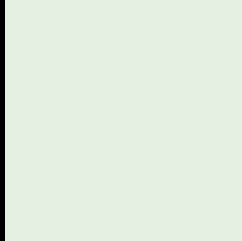
Large Text (above 18pt) WCAG AA × Fail

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, 240, 238 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

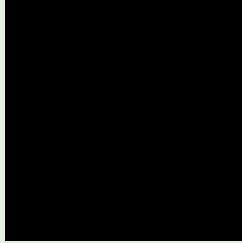
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

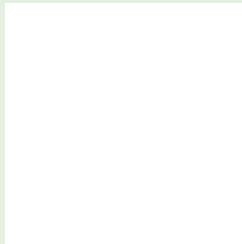
Any Text WCAG AAA ✓ Pass

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

RYB 227, 240, 238 Background



This preview shows how black text looks on a background with the RYB color 227, 240, 238.

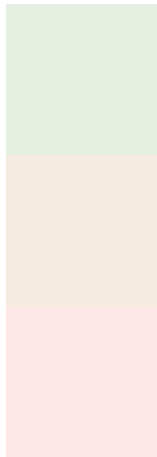


This preview shows how white text looks on a background with the RYB color 227, 240, 238.

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
227, 240, 238

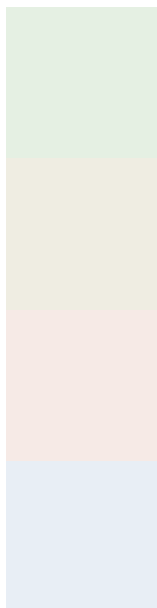
Protanopia
239, 244, 225

Deuteranopia
255, 231, 231



Tritanopia
233, 236, 255

Trichromacy



Original Color

227, 240, 238

Protanomaly

228, 239, 226

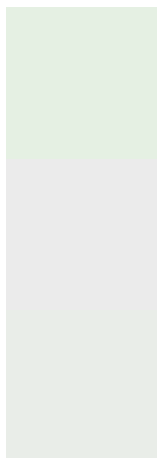
Deuteranomaly

246, 235, 230

Tritanomaly

232, 236, 245

Monochromacy



Original Color

227, 240, 238

Achromatopsia

235, 235, 235

Achromatomaly

232, 237, 236

CSS Examples

Text

The CSS property to change the color of the text to RYB 227, 240, 238 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(229, 240, 227) looks like.

```
.text, #text, p{  
    color:rgb(229, 240, 227)  
}
```

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(229, 240, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 240, 227) }
```

Border

The CSS property to change the border of an element to RYB 227, 240, 238 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(229, 240, 227) }
```

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

```
.border{ border-color:rgb(229, 240, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 240, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(229, 240, 227); -webkit-box-shadow:4px 4px 4px 4px rgb(229, 240, 227); box-shadow:4px 4px 4px 4px rgb(229, 240, 227) }
```

Background

The CSS property to change the background color of an element to RYB 227, 240, 238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 240, 227) }
```

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

```
.background{ background-color: rgb(229,  
240, 227) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor