

Converting Colors

`RYB(235, 252, 255)`

Have a look what the booklet for
RYB(235, 252, 255) contains.

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Color

R_YB(235, 252, 255)

Conversions

Conversions Part 1

Format	Color
Hex	EBFFEF
RGB	235, 255, 239
RGB Percent	92%, 100%, 94%
CMY	0.0784, 0.0000, 0.0646
CMYK	0.08, 0.00, 0.06, 0.00
HSL	131°, 100%, 96%
HSV	131°, 8%, 100%
XYZ	85.5315, 95.3864, 95.2007
YIQ	247.1960, -6.7840, -9.2160

Conversions

Conversions Part 2

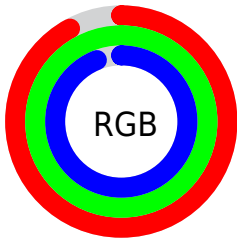
Format	Color
R_{YB}	235, 252, 255
Decimal	15466479
CIE _{Lab}	98.19, -9.46, 5.63
CIE _{LCh}	98, 11.013, 149.251
Yxy	95.3864, 0.3098, 0.3455
Android (android.graphics.Color)	4293656559 (0xFFEBFFEF)
YUV	247.1960, -4.0406, -10.6959
Hunter-Lab	97.6660, -14.5931, 10.5727

Details

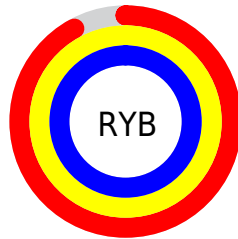
The RYB color **235, 252, 255** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **255, 235, 251**, and the grayscale version is **247, 247, 247**.

A 20% lighter version of the original color is **255, 255, 255**, and **179, 195, 198** is the 20% darker color. If you saturate the color by 10%, you get **210, 248, 255**, and if you desaturate by 10%, it is **255, 255, 255**.

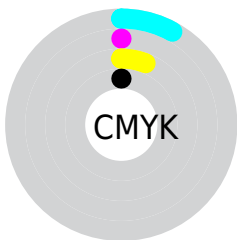
Distribution



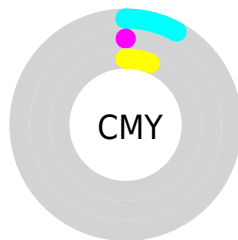
- Red (92%)
- Green (100%)
- Blue (94%)



- Red (92%)
- Yellow (99%)
- Blue (100%)



- Cyan (8%)
- Magenta (0%)
- Yellow (6%)
- Black (0%)



- Cyan (8%)
- Magenta (0%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the RYB color 235, 252, 255 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 235, 252, 255 by changing the saturation by 10% instead.


 235, 252, 255

255, 255, 255


 235, 252, 255

 207, 223, 226

 179, 195, 198


 152, 168, 171

 126, 141, 144

 101, 116, 119

 77, 91, 94

 54, 67, 70

 33, 46, 48

 12, 25, 27

 235, 252, 255

 235, 252, 255

 210, 248, 255

255, 255, 255

 184, 244, 255

 158, 240, 255

 133, 236, 255

 107, 232, 255

 82, 229, 255

 57, 225, 255

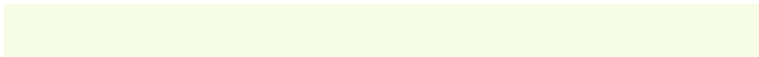
 31, 221, 255

 6, 218, 255

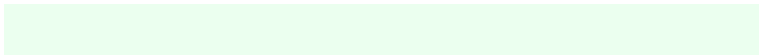
Harmonies

Analogous

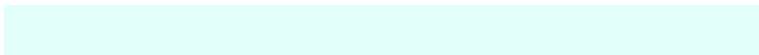
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



231, 252, 236



235, 252, 255



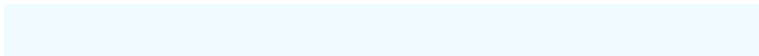
226, 242, 255

Triad

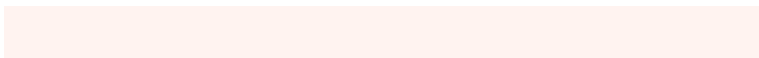
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



235, 252, 255



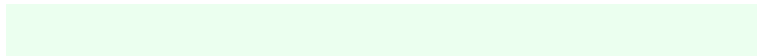
239, 246, 255



255, 244, 240

Complementary

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



235, 252, 255



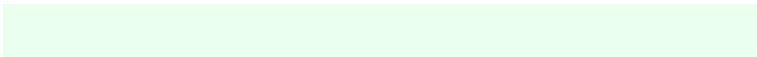
255, 235, 251

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, 243, 250



235, 252, 255



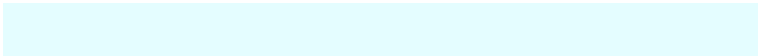
252, 247, 255

Square

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



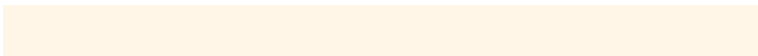
235, 252, 255



228, 241, 255



255, 244, 255



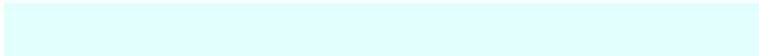
247, 255, 232

Rectangle

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



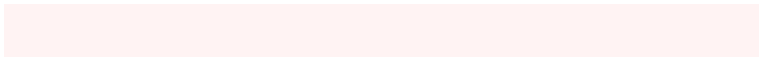
235, 252, 255



224, 240, 255



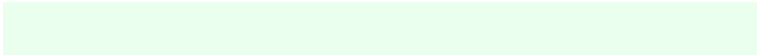
255, 244, 255



255, 243, 243

Sweetspot

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



235, 252, 255



250, 254, 255



235, 255, 238



125, 128, 128



0, 0, 0



128, 128, 128

Same Dimension

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



235, 252, 255



232, 252, 255



235, 247, 255



115, 126, 128



0, 162, 191



0, 55, 64

Inverse Universe

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



255, 235, 251



255, 232, 251



255, 235, 242



128, 115, 125



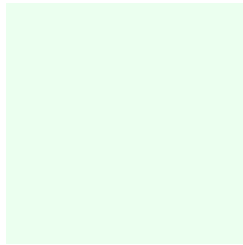
191, 0, 157



64, 0, 52

Previews

White Background



This preview shows how the RYB color 235, 252, 255 looks on a white background.

Color Contrast Check

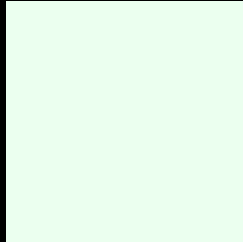
Large Text (above 18pt) WCAG AA × Fail

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 235, 252, 255 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

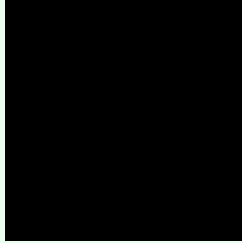
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

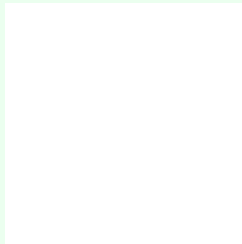
Any Text WCAG AAA ✓ Pass

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

RYB 235, 252, 255 Background



This preview shows how black text looks on a background with the RYB color 235, 252, 255.

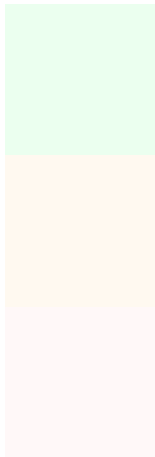


This preview shows how white text looks on a background with the RYB color 235, 252, 255.

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
235, 252, 255

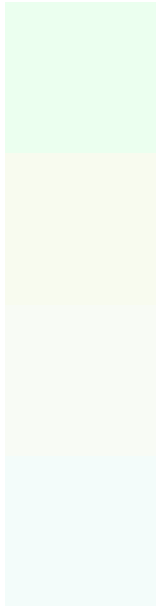
Protanopia
250, 255, 240

Deuteranopia
255, 248, 248

Tritanopia

247, 249, 255

Trichromacy



Original Color

235, 252, 255

Protanomaly

239, 251, 242

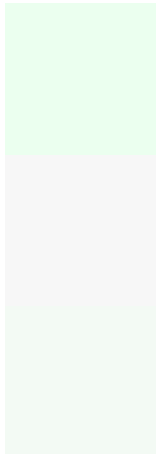
Deuteranomaly

245, 251, 248

Tritanomaly

243, 248, 252

Monochromacy



Original Color

235, 252, 255

Achromatopsia

247, 247, 247

Achromatomaly

243, 249, 250

CSS Examples

Text

The CSS property to change the color of the text to RYB 235, 252, 255 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, 255, 239)` looks like.

```
.text, #text, p{  
    color:rgb(235, 255, 239)  
}
```

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, 255, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 255, 239) }
```

Border

The CSS property to change the border of an element to RYB 235, 252, 255 is called "border". The border property can be set on classes, ids or directly on the HTML element.

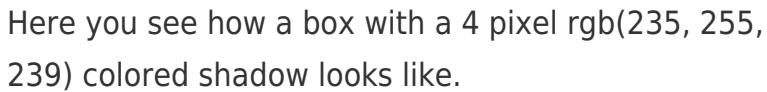
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(235, 255, 239) }
```

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

```
.border{ border-color:rgb(235, 255, 239) }
```

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



Here you see how a box with a 4 pixel `rgb(235, 255, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(235, 255, 239); -webkit-box-shadow:4px 4px 4px 4px rgb(235, 255, 239); box-shadow:4px 4px 4px 4px rgb(235, 255, 239) }
```

Background

The CSS property to change the background color of an element to RYB 235, 252, 255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 255, 239) }
```

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

```
.background{ background-color: rgb(235,  
255, 239) }
```

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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