

Converting Colors

`RYB(236, 247, 255)`

Have a look what the booklet for RYB(236, 247, 255) contains.

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Color

R_YB(236, 247, 255)

Conversions

Conversions Part 1

Format	Color
Hex	ECFFFA
RGB	236, 255, 250
RGB Percent	93%, 100%, 98%
CMY	0.0745, 0.0000, 0.0203
CMYK	0.07, 0.00, 0.02, 0.00
HSL	164°, 100%, 96%
HSV	164°, 7%, 100%
XYZ	87.5789, 96.2436, 104.2540
YIQ	248.7490, -9.7190, -5.5830

Conversions

Conversions Part 2

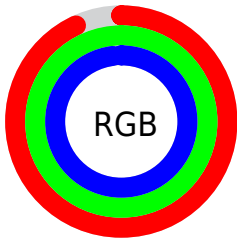
Format	Color
R _Y B	236, 247, 255
Decimal	15532026
CIE Lab	98.53, -7.11, 0.34
CIE LCh	99, 7.122, 177.271
Yxy	96.2436, 0.3040, 0.3341
Android (android.graphics.Color)	4293722106 (0xFFE0FFFA)
YUV	248.7490, 0.6167, -11.1809
Hunter-Lab	98.1038, -12.3318, 5.6657

Details

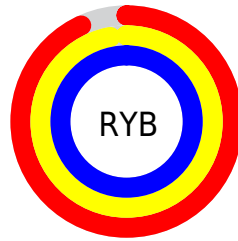
The RYB color **236, 247, 255** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **255, 236, 241**, and the grayscale version is **249, 249, 249**.

A 20% lighter version of the original color is **255, 255, 255**, and **180, 190, 198** is the 20% darker color. If you saturate the color by 10%, you get **211, 236, 255**, and if you desaturate by 10%, it is **255, 255, 255**.

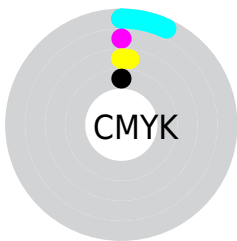
Distribution



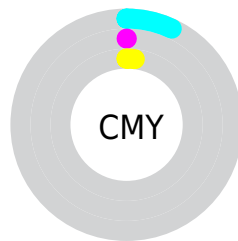
- Red (93%)
- Green (100%)
- Blue (98%)



- Red (93%)
- Yellow (97%)
- Blue (100%)



- Cyan (7%)
- Magenta (0%)
- Yellow (2%)
- Black (0%)



- Cyan (7%)
- Magenta (0%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the RYB color 236, 247, 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 236, 247, 255 by changing the saturation by 10% instead.

 236, 247, 255

 236, 247, 255

255, 255, 255

 208, 218, 226

 180, 190, 198

 153, 163, 171

 127, 137, 144

 102, 112, 119

 78, 87, 94


 55, 63, 70

 33, 42, 48

 13, 21, 27

 236, 247, 255

 236, 247, 255


 211, 236, 255


255, 255, 255


 185, 225, 255


 160, 215, 255

 134, 204, 255

 109, 194, 255

 83, 183, 255

 57, 172, 255

 32, 161, 255

 7, 151, 255

Harmonies

Analogous

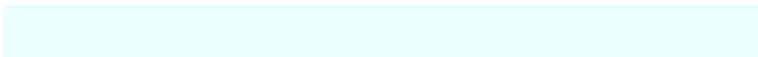
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



242, 253, 254



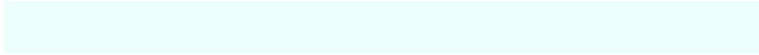
236, 247, 255



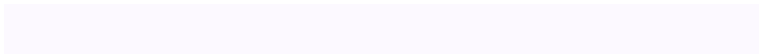
234, 245, 255

Triad

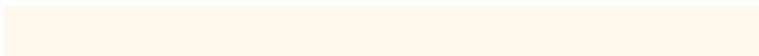
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



236, 247, 255



252, 249, 255



251, 255, 239

Complementary

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



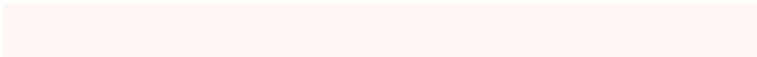
236, 247, 255



255, 236, 241

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, 248, 245



236, 247, 255



255, 247, 255

Square

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



236, 247, 255



243, 248, 255



255, 246, 252



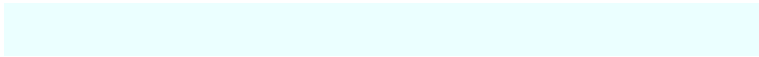
244, 255, 237

Rectangle

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



236, 247, 255



235, 245, 255



255, 246, 252



255, 252, 241

Sweetspot

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



236, 247, 255



250, 253, 255



236, 255, 250



125, 127, 128



0, 0, 0



128, 128, 128

Same Dimension

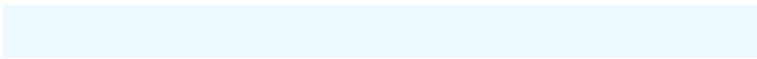
The Same Dimension uses a secret algorithm to generate beautiful new colors.



236, 247, 255



232, 245, 255



236, 244, 255



115, 123, 128



0, 111, 191



0, 37, 64

Inverse Universe

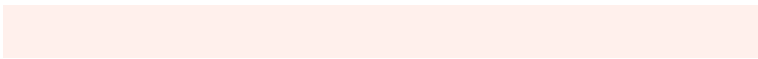
The Inverse Universe completely reimagines the original color for something new.



255, 236, 241



255, 232, 238



255, 241, 236



128, 115, 118



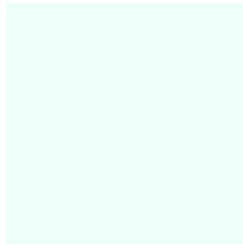
191, 0, 52



64, 0, 17

Previews

White Background



This preview shows how the RYB color 236, 247, 255 looks on a white background.

Color Contrast Check

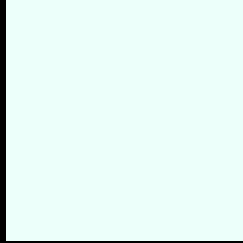
Large Text (above 18pt) WCAG AA × Fail

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 236, 247, 255 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

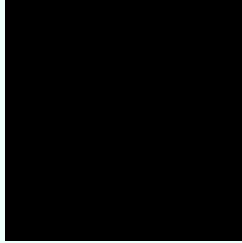
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

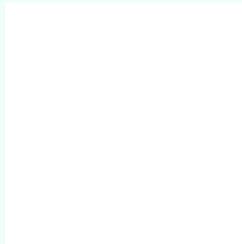
Any Text WCAG AAA ✓ Pass

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

RYB 236, 247, 255 Background



This preview shows how black text looks on a background with the RYB color 236, 247, 255.



This preview shows how white text looks on a background with the RYB color 236, 247, 255.

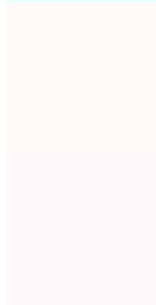
Color Blindness Simulation

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
[236](#), [247](#), [255](#)



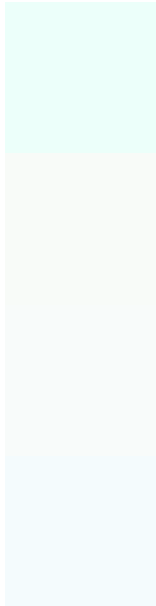
Protanopia
[255](#), [250](#), [247](#)

Deuteranopia
[255](#), [249](#), [251](#)

Tritanopia

248, 250, 255

Trichromacy



Original Color

236, 247, 255

Protanomaly

248, 251, 251

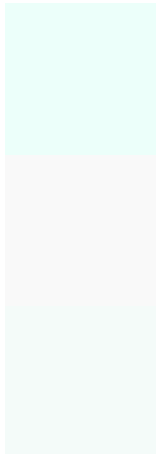
Deuteranomaly

248, 250, 251

Tritanomaly

244, 248, 253

Monochromacy



Original Color

236, 247, 255

Achromatopsia

249, 249, 249

Achromatomaly

244, 248, 251

CSS Examples

Text

The CSS property to change the color of the text to RYB 236, 247, 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(236, 255, 250) looks like.

```
.text, #text, p{  
    color:rgb(236, 255, 250)  
}
```

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(236, 255, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 255, 250) }
```

Border

The CSS property to change the border of an element to RYB 236, 247, 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(236, 255, 250) }
```

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

```
.border{ border-color:rgb(236, 255, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 255, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 255, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 255, 250);  
box-shadow:4px 4px 4px 4px rgb(236, 255,  
250) }
```

Background

The CSS property to change the background color of an element to RYB 236, 247, 255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 255, 250) }
```

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

```
.background{ background-color: rgb(236,  
255, 250) }
```

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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