

Converting Colors

`RYB(236, 243, 255)`

Have a look what the booklet for
RYB(236, 243, 255) contains.

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Color

R_YB(236, 243, 255)

Conversions

Conversions Part 1

Format	Color
Hex	ECF7FF
RGB	236, 247, 255
RGB Percent	93%, 97%, 100%
CMY	0.0745, 0.0310, 0.0000
CMYK	0.07, 0.03, 0.00, 0.00
HSL	205°, 100%, 96%
HSV	205°, 7%, 100%
XYZ	85.9283, 91.6254, 107.7643
YIQ	244.6230, -9.1240, 0.1560

Conversions

Conversions Part 2

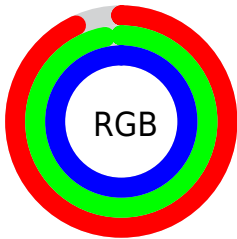
Format	Color
R _Y B	236, 243, 255
Decimal	15529983
CIE Lab	96.67, -2.16, -5.06
CIE LCh	97, 5.503, 246.845
Yxy	91.6254, 0.3012, 0.3211
Android (android.graphics.Color)	4293720063 (0xFFECEF7FF)
YUV	244.6230, 5.1159, -7.5624
Hunter-Lab	95.7211, -7.2736, 0.2552

Details

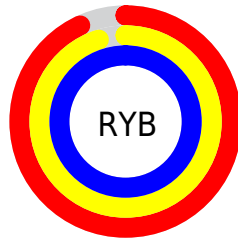
The RYB color **236, 243, 255** is a light color, and the websafe version is hex FFFFFF. A complement of this color would be **255, 250, 236**, and the grayscale version is **245, 245, 245**.

A 20% lighter version of the original color is **255, 255, 255**, and **180, 187, 198** is the 20% darker color. If you saturate the color by 10%, you get **211, 227, 255**, and if you desaturate by 10%, it is **255, 255, 255**.

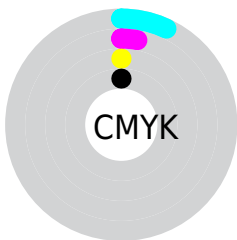
Distribution



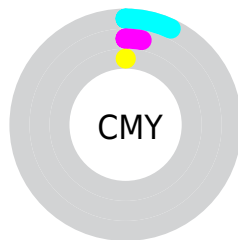
- Red (93%)
- Green (97%)
- Blue (100%)



- Red (93%)
- Yellow (95%)
- Blue (100%)



- Cyan (7%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)



- Cyan (7%)
- Magenta (3%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the RYB color 236, 243, 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, 243, 255 by changing the saturation by 10% instead.

■ 236, 243, 255

255, 255, 255

■ 236, 243, 255

■ 208, 215, 226

■ 180, 187, 198

■ 153, 160, 171

■ 127, 133, 145

■ 102, 108, 119

■ 78, 84, 94

■ 55, 61, 71

■ 34, 39, 48

■ 12, 18, 27

236, 243, 255

236, 243, 255

211, 227, 255

255, 255, 255

185, 211, 255

160, 195, 255

134, 179, 255

109, 163, 255

83, 146, 255

57, 130, 255

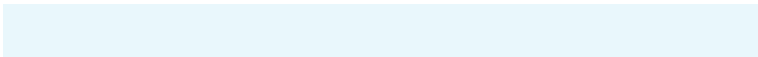
32, 114, 255

7, 98, 255

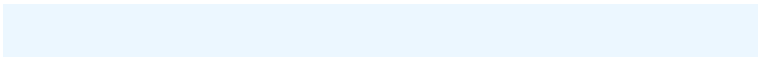
Harmonies

Analogous

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



233, 241, 252



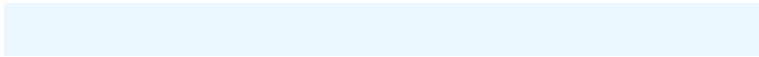
236, 243, 255



242, 244, 255

Triad

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



236, 243, 255



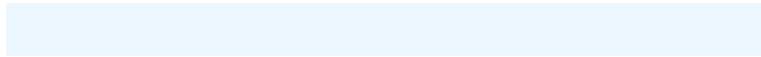
255, 242, 244



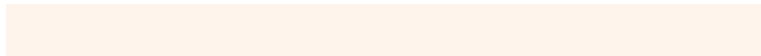
237, 247, 241

Complementary

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



236, 243, 255



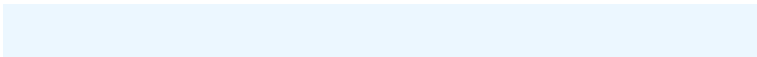
255, 250, 236

Split Complementary

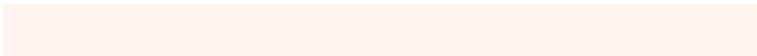
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



241, 249, 235



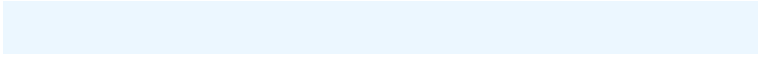
236, 243, 255



255, 243, 239

Square

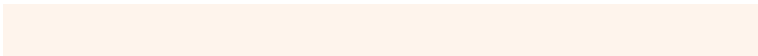
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



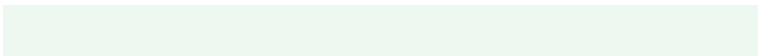
236, 243, 255



254, 242, 250



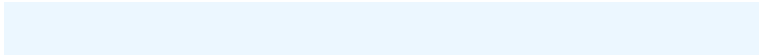
254, 250, 236



237, 245, 248

Rectangle

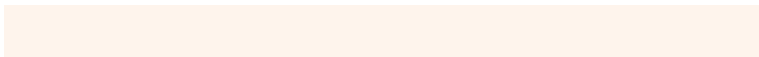
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



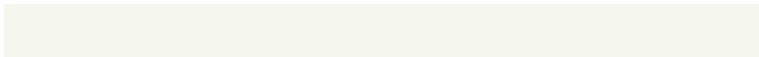
236, 243, 255



246, 244, 255



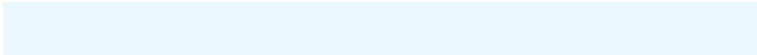
254, 250, 236



236, 247, 238

Sweetspot

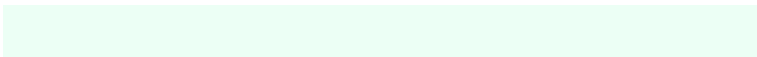
The Sweet Spot groups the original color and five complimentary colors.



236, 243, 255



250, 252, 255



236, 249, 255



125, 126, 128



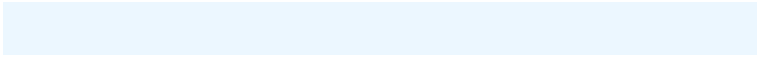
0, 0, 0



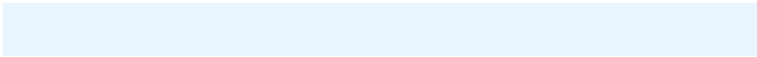
128, 128, 128

Same Dimension

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



236, 243, 255



232, 240, 255



236, 238, 255



115, 120, 128



0, 71, 191



0, 23, 64

Inverse Universe

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



255, 236, 247



255, 232, 245



238, 255, 236



128, 115, 122



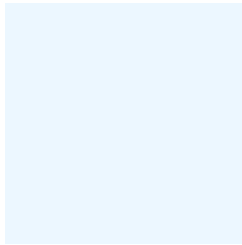
191, 0, 112



64, 0, 37

Previews

White Background



This preview shows how the RYB color 236, 243, 255 looks on a white background.

Color Contrast Check

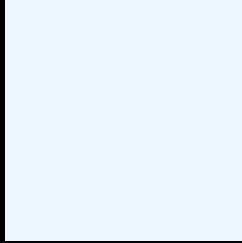
Large Text (above 18pt) WCAG AA × Fail

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, 243, 255 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

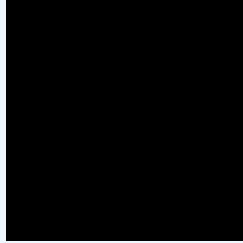
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

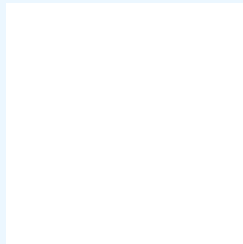
Any Text WCAG AAA ✓ Pass

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

RYB 236, 243, 255 Background



This preview shows how black text looks on a background with the RYB color 236, 243, 255.

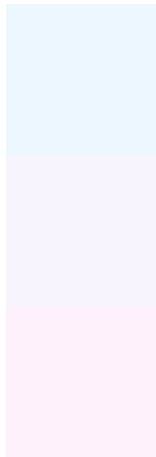


This preview shows how white text looks on a background with the RYB color 236, 243, 255.

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, 243, 255

Protanopia
247, 244, 253

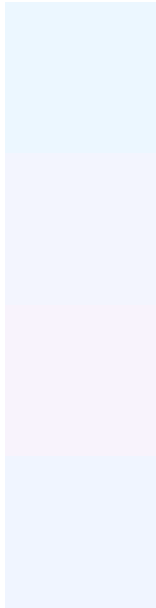
Deuteranopia
255, 241, 251



Tritanopia

242, 244, 255

Trichromacy



Original Color

236, 243, 255

Protanomaly

243, 245, 254

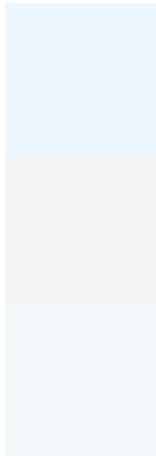
Deuteranomaly

248, 243, 252

Tritanomaly

240, 244, 255

Monochromacy



Original Color

236, 243, 255

Achromatopsia

245, 245, 245

Achromatomaly

242, 245, 249

CSS Examples

Text

The CSS property to change the color of the text to RYB 236, 243, 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, 247, 255) looks like.

```
.text, #text, p{  
    color:rgb(236, 247, 255)  
}
```

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, 247, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 247, 255) }
```

Border

The CSS property to change the border of an element to RYB 236, 243, 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, 247, 255) }
```

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

```
.border{ border-color:rgb(236, 247, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 247, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 247, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 247, 255);  
box-shadow:4px 4px 4px 4px rgb(236, 247,  
255) }
```

Background

The CSS property to change the background color of an element to RYB 236, 243, 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, 247, 255) }
```

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

```
.background{ background-color: rgb(236,  
247, 255) }
```

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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