

Converting Colors

`RYB(231, 255, 250)`

Have a look what the booklet for
RYB(231, 255, 250) contains.

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Color

R_YB(231, 255, 250)

Conversions

Conversions Part 1

Format	Color
Hex	ECFFE7
RGB	236, 255, 231
RGB Percent	93%, 100%, 91%
CMY	0.0745, 0.0000, 0.0941
CMYK	0.07, 0.00, 0.09, 0.00
HSL	107°, 100%, 95%
HSV	107°, 9%, 100%
XYZ	84.7759, 95.1224, 89.4936
YIQ	246.5830, -3.6200, -11.4920

Conversions

Conversions Part 2

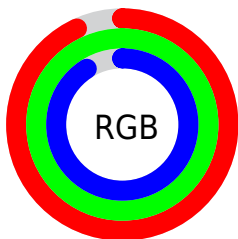
Format	Color
R _Y B	231, 255, 250
Decimal	15532007
CIE _{Lab}	98.08, -10.44, 9.35
CIE _{LCh}	98, 14.012, 138.143
Y _{xy}	95.1224, 0.3147, 0.3531
Android (android.graphics.Color)	4293722087 (0xFFE7FFE7)
Y _{UV}	246.5830, -7.6824, -9.2813
Hunter-Lab	97.5307, -15.5225, 13.8673

Details

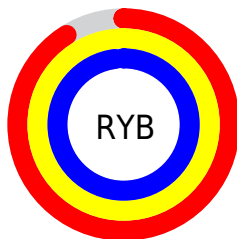
The RYB color **231, 255, 250** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **250, 231, 255**, and the grayscale version is **247, 247, 247**.

A 20% lighter version of the original color is **255, 255, 255**, and **175, 198, 193** is the 20% darker color. If you saturate the color by 10%, you get **206, 255, 245**, and if you desaturate by 10%, it is **255, 255, 255**.

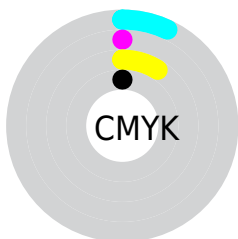
Distribution



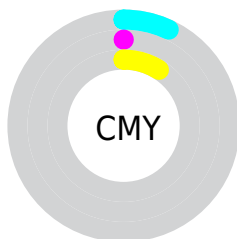
- Red (93%)
- Green (100%)
- Blue (91%)



- Red (91%)
- Yellow (100%)
- Blue (98%)



- Cyan (7%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)



- Cyan (7%)
- Magenta (0%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the RYB color 231, 255, 250 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 231, 255, 250 by changing the saturation by 10% instead.

231, 255, 250

231, 255, 250

255, 255, 255

203, 226, 221

175, 198, 193

149, 171, 167

123, 144, 140

98, 119, 115

74, 94, 90

52, 70, 67

30, 48, 45

6, 27, 20

231, 255, 250

231, 255, 250

206, 255, 245

255, 255, 255

180, 255, 239

155, 255, 235

129, 255, 229

104, 255, 224

78, 255, 218

53, 255, 213

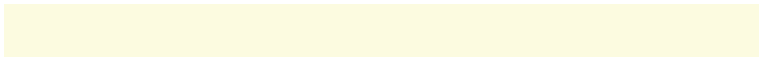
27, 255, 207

2, 255, 203

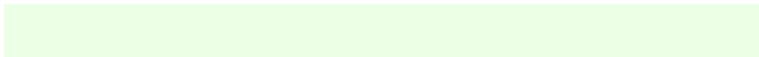
Harmonies

Analogous

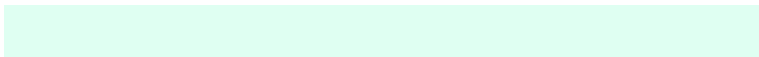
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



225, 252, 224



231, 255, 250



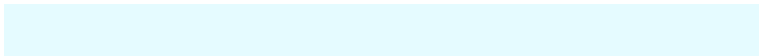
223, 243, 255

Triad

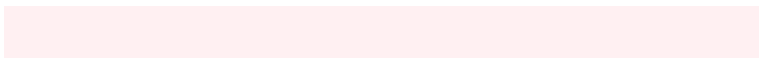
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



231, 255, 250



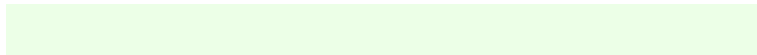
229, 241, 255



255, 240, 242

Complementary

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



231, 255, 250



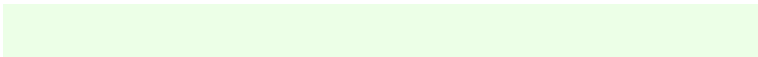
250, 231, 255

Split Complementary

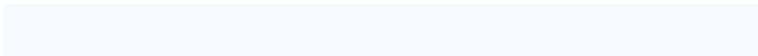
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



255, 241, 255



231, 255, 250



246, 248, 255

Square

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



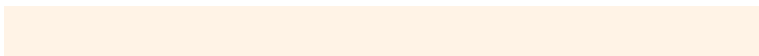
231, 255, 250



218, 237, 255



255, 244, 255



253, 255, 230

Rectangle

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



231, 255, 250



217, 237, 255



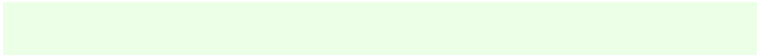
255, 244, 255



255, 240, 246

Sweetspot

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



231, 255, 250



247, 255, 253



237, 255, 231



122, 128, 127



0, 0, 0



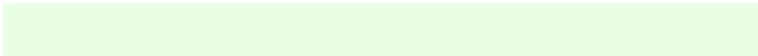
128, 128, 128

Same Dimension

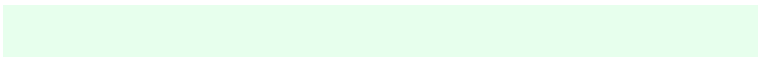
The Same Dimension uses a secret algorithm to generate beautiful new colors.



231, 255, 250



227, 255, 249



231, 250, 255



115, 128, 126



0, 191, 151



0, 64, 51

Inverse Universe

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



250, 231, 255



249, 227, 255



255, 231, 248



125, 115, 128



151, 0, 191



50, 0, 64

Previews

White Background



This preview shows how the RYB color 231, 255, 250 looks on a white background.

Color Contrast Check

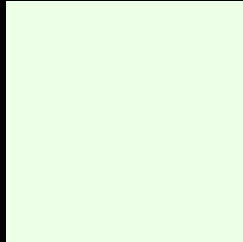
Large Text (above 18pt) WCAG AA × Fail

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 231, 255, 250 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

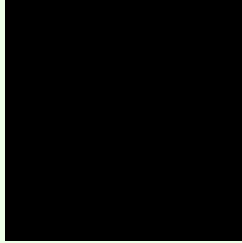
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

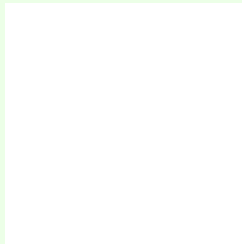
Any Text WCAG AAA ✓ Pass

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

RYB 231, 255, 250 Background



This preview shows how black text looks on a background with the RYB color 231, 255, 250.

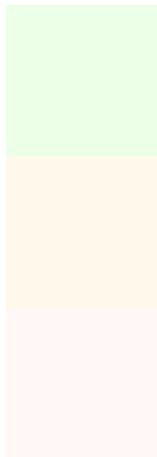


This preview shows how white text looks on a background with the RYB color 231, 255, 250.

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
231, 255, 250

Protanopia
245, 255, 236

Deuteranopia
255, 248, 247

Tritanopia

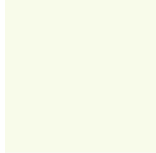
247, 249, 255

Trichromacy



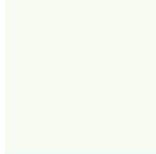
Original Color

231, 255, 250



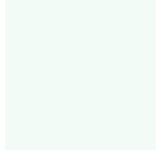
Protanomaly

234, 251, 237



Deuteranomaly

241, 251, 244



Tritanomaly

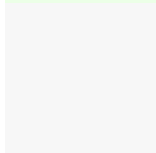
243, 249, 251

Monochromacy



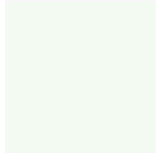
Original Color

231, 255, 250



Achromatopsia

247, 247, 247



Achromatomaly

241, 250, 248

CSS Examples

Text

The CSS property to change the color of the text to RYB 231, 255, 250 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, 231)` looks like.

```
.text, #text, p{  
    color:rgb(236, 255, 231)  
}
```

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, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 255, 231) }
```

Border

The CSS property to change the border of an element to RYB 231, 255, 250 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, 231) }
```

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

```
.border{ border-color:rgb(236, 255, 231) }
```

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, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 255, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 255, 231);  
box-shadow:4px 4px 4px 4px rgb(236, 255,  
231) }
```

Background

The CSS property to change the background color of an element to RYB 231, 255, 250 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, 231) }
```

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

```
.background{ background-color: rgb(236,  
255, 231) }
```

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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