

Converting Colors

`RYB(229, 253, 255)`

Have a look what the booklet for
RYB(229, 253, 255) contains.

RYB(229, 253, 255)	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(229, 253, 255)

Conversions

Conversions Part 1

Format	Color
Hex	E5FFE7
RGB	229, 255, 231
RGB Percent	90%, 100%, 91%
CMY	0.1020, 0.0000, 0.0935
CMYK	0.10, 0.00, 0.09, 0.00
HSL	125°, 100%, 95%
HSV	125°, 10%, 100%
XYZ	82.5205, 93.9570, 89.5110
YIQ	244.4900, -7.7920, -12.9760

Conversions

Conversions Part 2

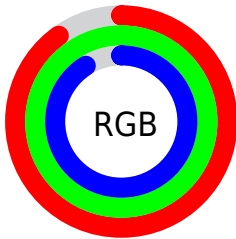
Format	Color
RYB	229, 253, 255
Decimal	15073255
CIELab	97.61, -12.73, 8.53
CIELCh	98, 15.321, 146.165
Yxy	93.9570, 0.3102, 0.3532
Android (android.graphics.Color)	4293263335 (0xFFE5FFE7)
YUV	244.4900, -6.6506, -13.5847
Hunter-Lab	96.9314, -17.6678, 13.1008

Details

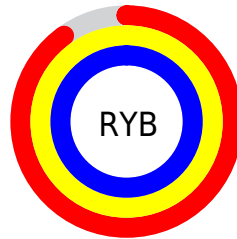
The RYB color **229, 253, 255** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **255, 229, 253**, and the grayscale version is **245, 245, 245**.

A 20% lighter version of the original color is **255, 255, 255**, and **173, 196, 198** is the 20% darker color. If you saturate the color by 10%, you get **204, 251, 255**, and if you desaturate by 10%, it is **255, 255, 255**.

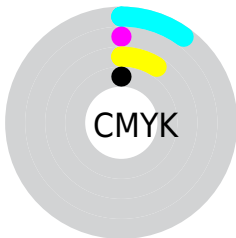
Distribution



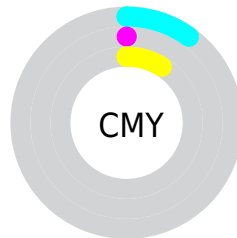
- Red (90%)
- Green (100%)
- Blue (91%)



- Red (90%)
- Yellow (99%)
- Blue (100%)



- Cyan (10%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)



- Cyan (10%)
- Magenta (0%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the RYB color 229, 253, 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 229, 253, 255 by changing the saturation by 10% instead.

229, 253, 255

229, 253, 255

255, 255, 255

201, 224, 226

173, 195, 198

147, 169, 171

121, 142, 144

96, 117, 119

72, 92, 94

49, 67, 70

28, 45, 48

4, 25, 27

■ 229, 253, 255

■ 229, 253, 255

■ 204, 251, 255

255, 255, 255

■ 178, 249, 255

■ 153, 248, 255

■ 127, 245, 255

■ 102, 244, 255

■ 76, 241, 255

■ 51, 239, 255

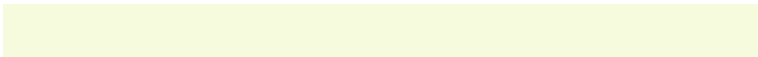
■ 25, 237, 255

■ 0, 236, 255

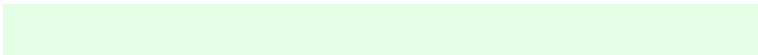
Harmonies

Analogous

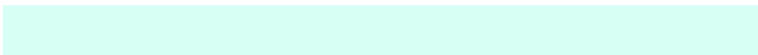
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



221, 251, 226



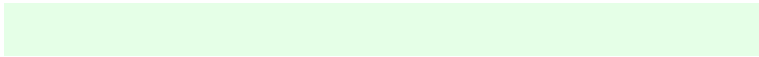
229, 253, 255



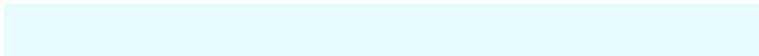
216, 238, 255

Triad

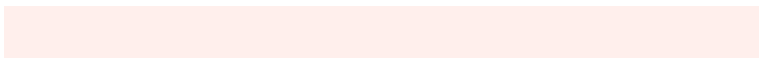
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



229, 253, 255



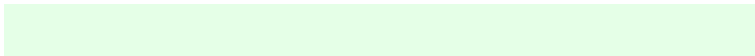
230, 241, 255



255, 240, 236

Complementary

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



229, 253, 255



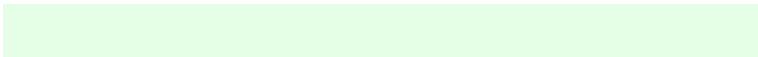
255, 229, 253

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, 238, 251



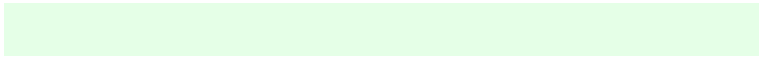
229, 253, 255



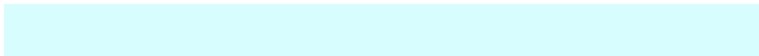
249, 245, 255

Square

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



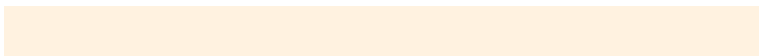
229, 253, 255



216, 235, 255



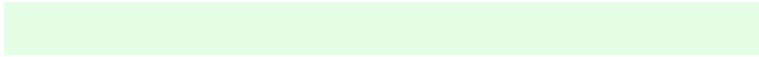
255, 241, 255



246, 255, 224

Rectangle

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



229, 253, 255



211, 233, 255



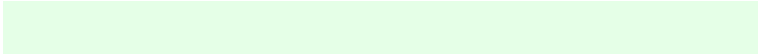
255, 241, 255



255, 238, 240

Sweetspot

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



229, 253, 255



247, 254, 255



229, 255, 231



122, 127, 128



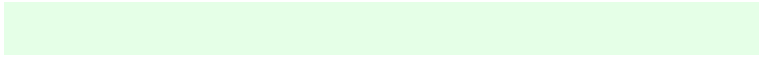
0, 0, 0



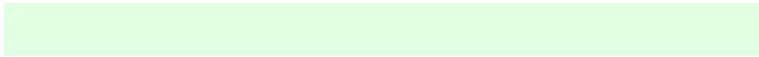
128, 128, 128

Same Dimension

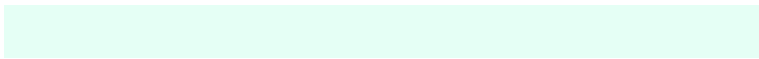
The Same Dimension uses a secret algorithm to generate beautiful new colors.



229, 253, 255



224, 252, 255



229, 245, 255



115, 127, 128



0, 176, 191



0, 59, 64

Inverse Universe

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



255, 229, 253



255, 224, 252



255, 229, 240



128, 115, 126



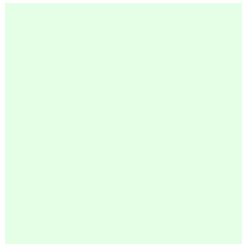
191, 0, 175



64, 0, 58

Previews

White Background



This preview shows how the RYB color 229, 253, 255 looks on a white background.

Color Contrast Check

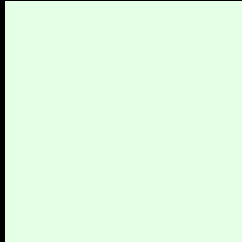
Large Text (above 18pt) WCAG AA × Fail

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 229, 253, 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

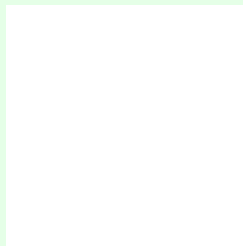
Any Text WCAG AAA ✓ Pass

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

RYB 229, 253, 255 Background



This preview shows how black text looks on a background with the RYB color 229, 253, 255.

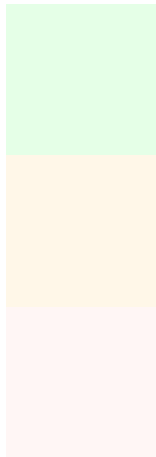


This preview shows how white text looks on a background with the RYB color 229, 253, 255.

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
229, 253, 255

Protanopia
244, 255, 232

Deuteranopia
255, 246, 245



Tritanopia

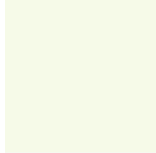
244, 247, 255

Trichromacy



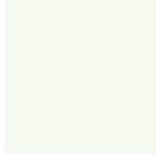
Original Color

229, 253, 255



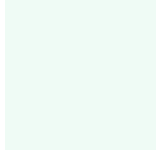
Protanomaly

232, 250, 236



Deuteranomaly

240, 249, 243



Tritanomaly

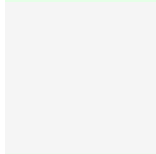
239, 247, 251

Monochromacy



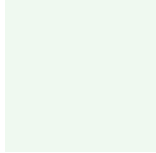
Original Color

229, 253, 255



Achromatopsia

245, 245, 245



Achromatomaly

239, 248, 249

CSS Examples

Text

The CSS property to change the color of the text to RYB 229, 253, 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(229, 255, 231)` looks like.

```
.text, #text, p{  
    color:rgb(229, 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(229, 255, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 255, 231) }
```

Border

The CSS property to change the border of an element to RYB 229, 253, 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(229, 255, 231) }
```

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

```
.border{ border-color:rgb(229, 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(229, 255, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(229, 255, 231); -webkit-box-shadow:4px 4px 4px 4px rgb(229, 255, 231); box-shadow:4px 4px 4px 4px rgb(229, 255, 231) }
```

Background

The CSS property to change the background color of an element to RYB 229, 253, 255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 255, 231) }
```

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

```
.background{ background-color: rgb(229,  
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](#).

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