

Converting Colors

`RYB(228, 251, 255)`

Have a look what the booklet for RYB(228, 251, 255) contains.

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Color

R_YB(228, 251, 255)

Conversions

Conversions Part 1

Format	Color
Hex	E4FFE9
RGB	228, 255, 233
RGB Percent	89%, 100%, 91%
CMY	0.1059, 0.0000, 0.0875
CMYK	0.11, 0.00, 0.09, 0.00
HSL	130°, 100%, 95%
HSV	130°, 11%, 100%
XYZ	82.4194, 93.8798, 90.6397
YIQ	244.4190, -9.0300, -12.5660

Conversions

Conversions Part 2

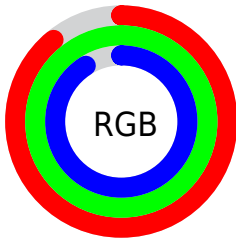
Format	Color
R_{YB}	228, 251, 255
Decimal	15007721
CIE _{Lab}	97.58, -12.79, 7.69
CIE _{LCh}	98, 14.923, 148.968
Yxy	93.8798, 0.3088, 0.3517
Android (android.graphics.Color)	4293197801 (0xFFE4FFE9)
YUV	244.4190, -5.6296, -14.3995
Hunter-Lab	96.8916, -17.7218, 12.3598

Details

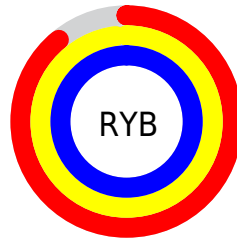
The RYB color **228, 251, 255** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **255, 228, 250**, and the grayscale version is **244, 244, 244**.

A 20% lighter version of the original color is **255, 255, 255**, and **172, 194, 198** is the 20% darker color. If you saturate the color by 10%, you get **203, 247, 255**, and if you desaturate by 10%, it is **254, 255, 255**.

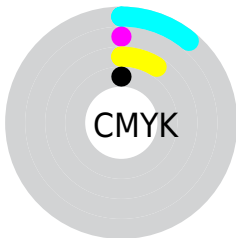
Distribution



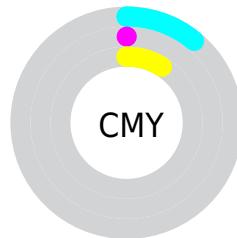
- Red (89%)
- Green (100%)
- Blue (91%)



- Red (89%)
- Yellow (98%)
- Blue (100%)



- Cyan (11%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)



- Cyan (11%)
- Magenta (0%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the RYB color 228, 251, 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 228, 251, 255 by changing the saturation by 10% instead.

 228, 251, 255


255, 255, 255


 228, 251, 255


 200, 222, 226

 172, 194, 198

 146, 168, 171

 120, 140, 144

 95, 115, 119

 71, 90, 94

 48, 66, 70

 27, 44, 48

 3, 23, 27

■ 228, 251, 255

■ 228, 251, 255

■ 203, 247, 255

254, 255, 255

■ 177, 243, 255

255, 255, 255

■ 152, 240, 255

■ 126, 236, 255

■ 101, 233, 255

■ 75, 229, 255

■ 50, 225, 255

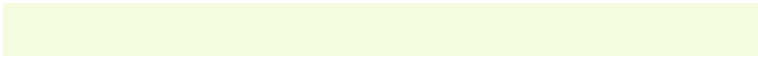
■ 24, 221, 255

■ 0, 217, 255

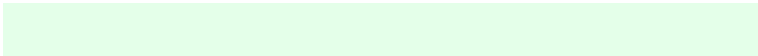
Harmonies

Analogous

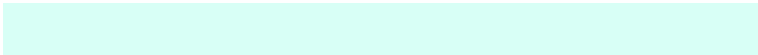
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



223, 251, 230



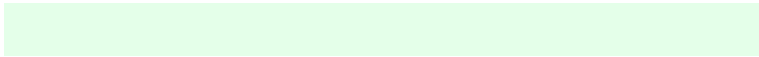
228, 251, 255



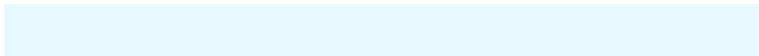
216, 238, 255

Triad

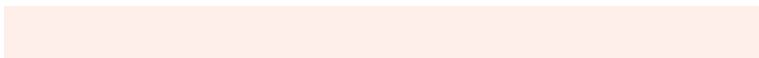
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



228, 251, 255



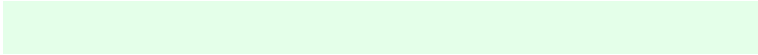
232, 242, 255



255, 240, 235

Complementary

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



228, 251, 255



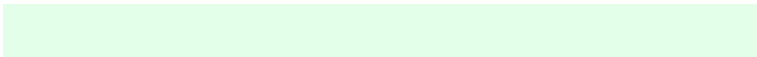
255, 228, 250

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, 249



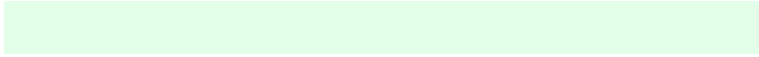
228, 251, 255



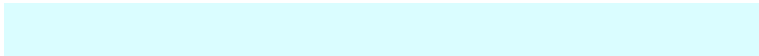
250, 245, 255

Square

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



228, 251, 255



218, 236, 255



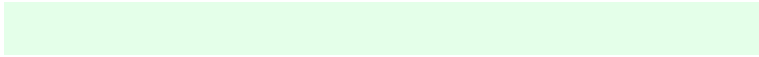
255, 240, 255



246, 255, 224

Rectangle

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



228, 251, 255



212, 234, 255



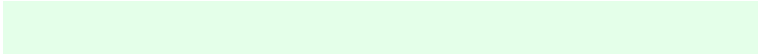
255, 240, 255



255, 238, 239

Sweetspot

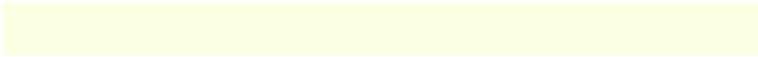
The Sweet Spot groups the original color and five complimentary colors.



228, 251, 255



247, 253, 255



228, 255, 232



122, 127, 128



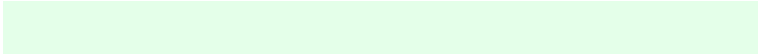
0, 0, 0



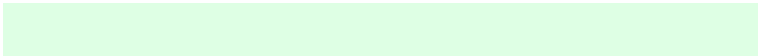
128, 128, 128

Same Dimension

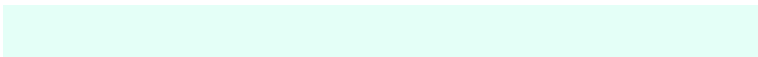
The Same Dimension uses a secret algorithm to generate beautiful new colors.



228, 251, 255



222, 250, 255



228, 244, 255



115, 126, 128



0, 163, 191



0, 55, 64

Inverse Universe

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



255, 228, 250



255, 222, 249



255, 228, 237



128, 115, 125



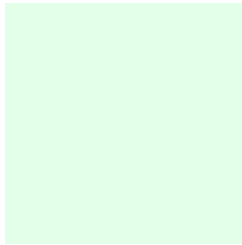
191, 0, 158



64, 0, 53

Previews

White Background



This preview shows how the RYB color 228, 251, 255 looks on a white background.

Color Contrast Check

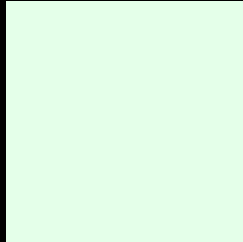
Large Text (above 18pt) WCAG AA × Fail

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 228, 251, 255 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

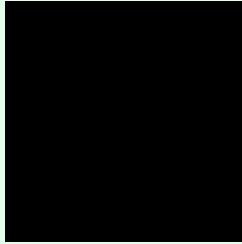
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

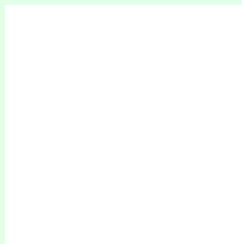
Any Text WCAG AAA ✓ Pass

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

RYB 228, 251, 255 Background



This preview shows how black text looks on a background with the RYB color 228, 251, 255.

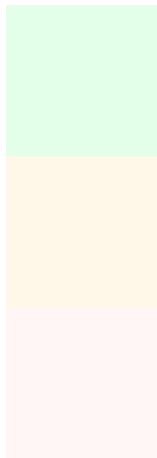


This preview shows how white text looks on a background with the RYB color 228, 251, 255.

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
228, 251, 255

Protanopia
244, 255, 232

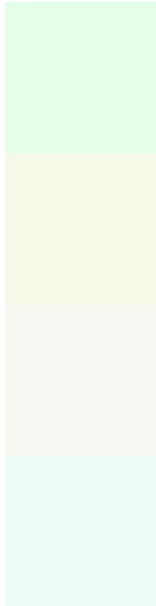
Deuteranopia
255, 246, 245



Tritanopia

243, 247, 255

Trichromacy



Original Color

228, 251, 255

Protanomaly

232, 250, 237

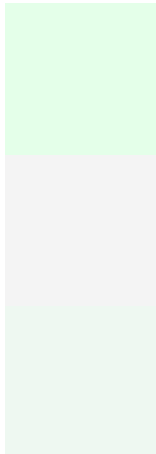
Deuteranomaly

241, 249, 245

Tritanomaly

238, 246, 251

Monochromacy



Original Color

228, 251, 255

Achromatopsia

244, 244, 244

Achromatomaly

238, 246, 248

CSS Examples

Text

The CSS property to change the color of the text to RYB 228, 251, 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(228, 255, 233)` looks like.

```
.text, #text, p{  
    color:rgb(228, 255, 233)  
}
```

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(228, 255, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 255, 233) }
```

Border

The CSS property to change the border of an element to RYB 228, 251, 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(228, 255, 233) }
```

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

```
.border{ border-color:rgb(228, 255, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 255, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 255, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 255, 233);  
box-shadow:4px 4px 4px 4px rgb(228, 255,  
233) }
```

Background

The CSS property to change the background color of an element to RYB 228, 251, 255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 255, 233) }
```

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

```
.background{ background-color: rgb(228,  
255, 233) }
```

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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