

Converting Colors

`RYB(230, 249, 255)`

Have a look what the booklet for RYB(230, 249, 255) contains.

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Color

R_YB(230, 249, 255)

Conversions

Conversions Part 1

Format	Color
Hex	E6FFEE
RGB	230, 255, 238
RGB Percent	90%, 100%, 93%
CMY	0.0980, 0.0000, 0.0671
CMYK	0.10, 0.00, 0.07, 0.00
HSL	139°, 100%, 95%
HSV	139°, 10%, 100%
XYZ	83.8103, 94.5099, 94.6328
YIQ	245.5870, -9.4430, -10.5870

Conversions

Conversions Part 2

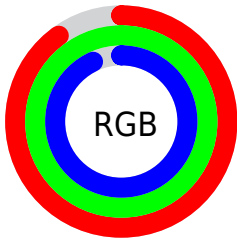
Format	Color
R_{YB}	230, 249, 255
Decimal	15138798
CIE _{Lab}	97.84, -11.21, 5.41
CIE _{LCh}	98, 12.448, 154.256
Yxy	94.5099, 0.3071, 0.3462
Android (android.graphics.Color)	4293328878 (0xFFE6FFEE)
YUV	245.5870, -3.7404, -13.6698
Hunter-Lab	97.2162, -16.2431, 10.3369

Details

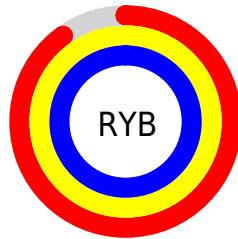
The RYB color **230, 249, 255** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **255, 230, 247**, and the grayscale version is **246, 246, 246**.

A 20% lighter version of the original color is **255, 255, 255**, and **174, 192, 198** is the 20% darker color. If you saturate the color by 10%, you get **205, 243, 255**, and if you desaturate by 10%, it is **255, 255, 255**.

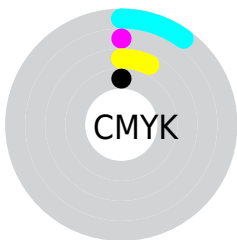
Distribution



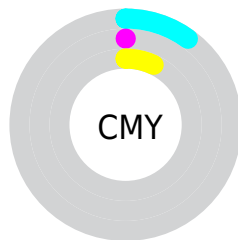
- Red (90%)
- Green (100%)
- Blue (93%)



- Red (90%)
- Yellow (98%)
- Blue (100%)



- Cyan (10%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)



- Cyan (10%)
- Magenta (0%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the RYB color 230, 249, 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 230, 249, 255 by changing the saturation by 10% instead.

230, 249, 255

255, 255, 255

230, 249, 255

202, 220, 226

174, 192, 198

148, 166, 171

122, 139, 144

97, 114, 119

73, 89, 94

50, 65, 70

28, 42, 48

6, 21, 27

 230, 249, 255

 230, 249, 255

 205, 243, 255

255, 255, 255

 179, 237, 255

 154, 231, 255

 128, 225, 255

 103, 219, 255

 77, 212, 255

 52, 206, 255

 26, 200, 255

 1, 194, 255

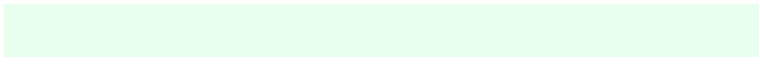
Harmonies

Analogous

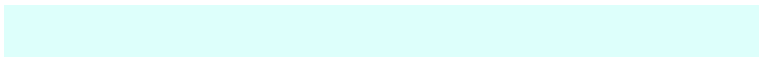
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



229, 252, 238



230, 249, 255



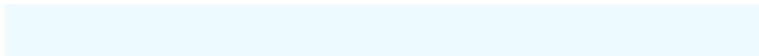
221, 239, 255

Triad

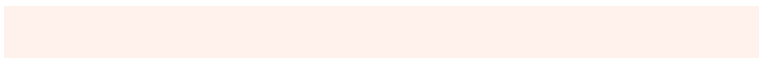
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



230, 249, 255



238, 245, 255



255, 245, 236

Complementary

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



230, 249, 255



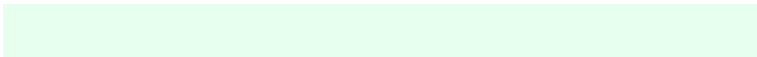
255, 230, 247

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, 247



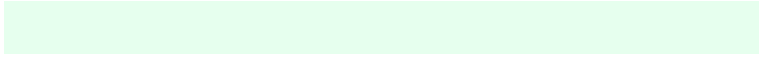
230, 249, 255



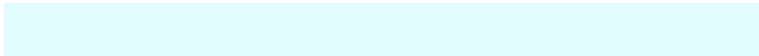
253, 245, 255

Square

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



230, 249, 255



226, 240, 255



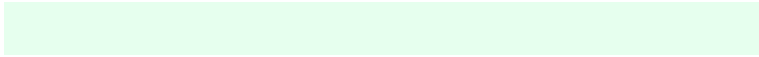
255, 242, 255



243, 255, 227

Rectangle

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



230, 249, 255



219, 237, 255



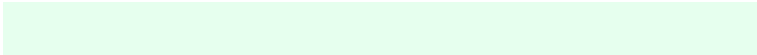
255, 242, 255



255, 241, 239

Sweetspot

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



230, 249, 255



247, 253, 255



230, 255, 237



122, 127, 128



0, 0, 0



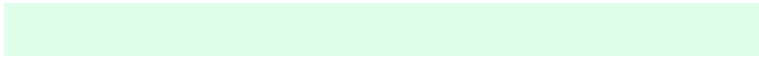
128, 128, 128

Same Dimension

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



230, 249, 255



224, 247, 255



230, 244, 255



115, 125, 128



0, 145, 191



0, 49, 64

Inverse Universe

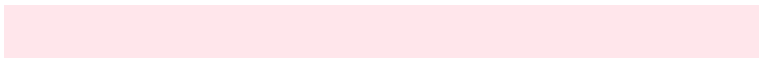
The Inverse Universe completely reimagines the original color for something new.



255, 230, 247



255, 224, 245



255, 230, 235



128, 115, 123



191, 0, 131



64, 0, 44

Previews

White Background



This preview shows how the RYB color 230, 249, 255 looks on a white background.

Color Contrast Check

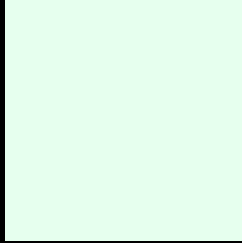
Large Text (above 18pt) WCAG AA × Fail

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 230, 249, 255 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

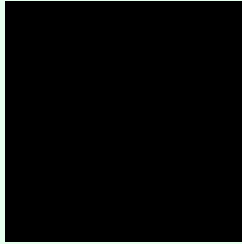
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

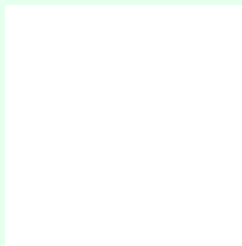
Any Text WCAG AAA ✓ Pass

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

RYB 230, 249, 255 Background



This preview shows how black text looks on a background with the RYB color 230, 249, 255.

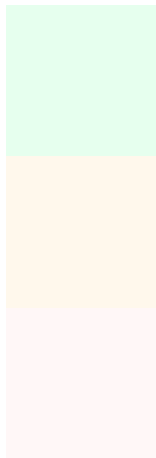


This preview shows how white text looks on a background with the RYB color 230, 249, 255.

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
230, 249, 255

Protanopia
247, 255, 236

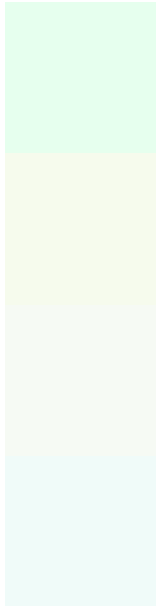
Deuteranopia
255, 247, 247



Tritanopia

245, 248, 255

Trichromacy



Original Color

230, 249, 255

Protanomaly

237, 251, 242

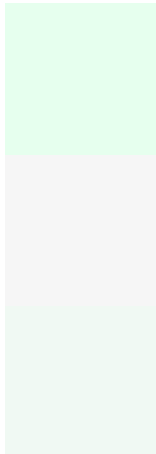
Deuteranomaly

244, 250, 248

Tritanomaly

240, 246, 251

Monochromacy



Original Color

230, 249, 255

Achromatopsia

246, 246, 246

Achromatomaly

240, 247, 249

CSS Examples

Text

The CSS property to change the color of the text to RYB 230, 249, 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(230, 255, 238) looks like.

```
.text, #text, p{  
    color:rgb(230, 255, 238)  
}
```

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(230, 255, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 255, 238) }
```

Border

The CSS property to change the border of an element to RYB 230, 249, 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(230, 255, 238) }
```

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

```
.border{ border-color:rgb(230, 255, 238) }
```

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

Here you see how a box with a 4 pixel rgb(230, 255, 238) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 255, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 255, 238);  
box-shadow:4px 4px 4px 4px rgb(230, 255,  
238) }
```

Background

The CSS property to change the background color of an element to RYB 230, 249, 255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 255, 238) }
```

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

```
.background{ background-color: rgb(230,  
255, 238) }
```

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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