

Converting Colors

`RYB(199, 227, 249)`

Have a look what the booklet for
RYB(199, 227, 249) contains.

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Color

R_YB(199, 227, 249)

Conversions

Conversions Part 1

Format	Color
Hex	C7F9EE
RGB	199, 249, 238
RGB Percent	78%, 98%, 93%
CMY	0.2196, 0.0235, 0.0655
CMYK	0.20, 0.00, 0.04, 0.02
HSL	167°, 81%, 88%
HSV	167°, 20%, 98%
XYZ	72.9035, 86.0833, 93.8825
YIQ	232.7960, -26.2690, -14.0210

Conversions

Conversions Part 2

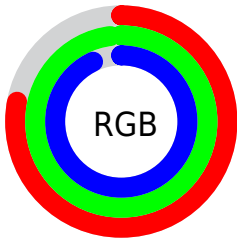
Format	Color
R _{YB}	199, 227, 249
Decimal	13105646
CIE _{Lab}	94.35, -17.95, -0.10
CIE _{LCh}	94, 17.946, 180.329
Y _{xy}	86.0833, 0.2883, 0.3404
Android (android.graphics.Color)	4291295726 (0xFFC7F9EE)
Y _{UV}	232.7960, 2.5656, -29.6391
Hunter-Lab	92.7811, -22.1091, 4.9529

Details

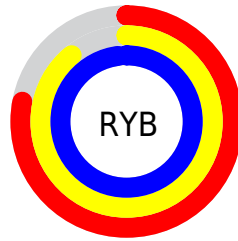
The RYB color **199, 227, 249** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **249, 199, 210**, and the grayscale version is **233, 233, 233**.

A 20% lighter version of the original color is **255, 255, 255**, and **144, 171, 192** is the 20% darker color. If you saturate the color by 10%, you get **174, 216, 249**, and if you desaturate by 10%, it is **224, 238, 249**.

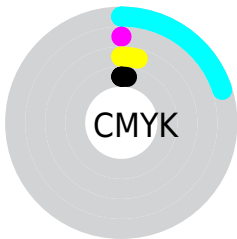
Distribution



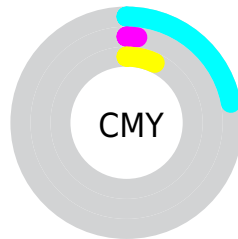
- Red (78%)
- Green (98%)
- Blue (93%)



- Red (78%)
- Yellow (89%)
- Blue (98%)



- Cyan (20%)
- Magenta (0%)
- Yellow (4%)
- Black (2%)



- Cyan (22%)
- Magenta (2%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the RYB color 199, 227, 249 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 199, 227, 249 by changing the saturation by 10% instead.

199, 227, 249

255, 255, 255

199, 227, 249

171, 198, 220

144, 171, 192

118, 144, 165

92, 118, 139

67, 92, 113

43, 68, 89

18, 43, 65

0, 23, 43

0, 15, 24

 199, 227, 249


 199, 227, 249

 174, 216, 249


 224, 238, 249

 149, 205, 249


 249, 249, 249


 124, 194, 249


 255, 249, 254


 99, 183, 249

 255, 249, 255

 75, 172, 249

 50, 162, 249

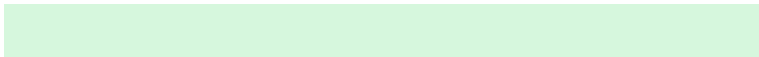
 25, 150, 249

 0, 139, 249

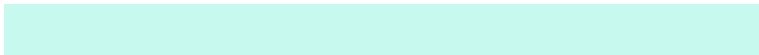
Harmonies

Analogous

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



214, 241, 247



199, 227, 249



194, 223, 255

Triad

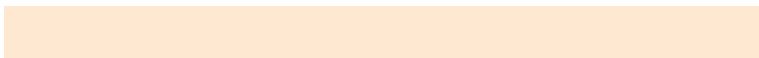
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



199, 227, 249



242, 234, 255



255, 255, 209

Complementary

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



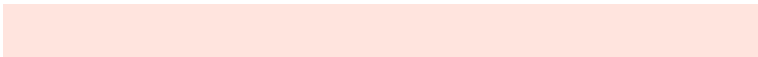
199, 227, 249



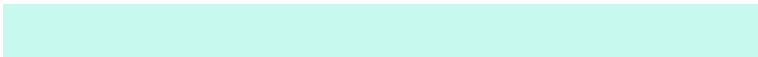
249, 199, 210

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, 229, 222



199, 227, 249



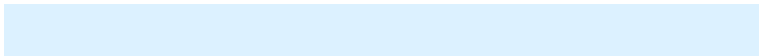
255, 229, 255

Square

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



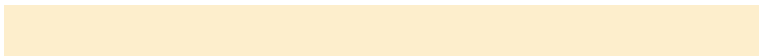
199, 227, 249



220, 233, 255



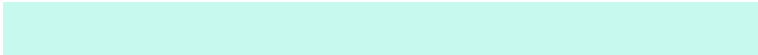
255, 227, 239



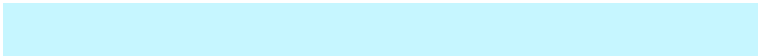
226, 253, 204

Rectangle

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



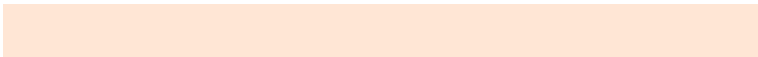
199, 227, 249



198, 224, 255



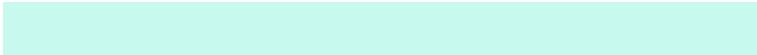
255, 227, 239



255, 242, 213

Sweetspot

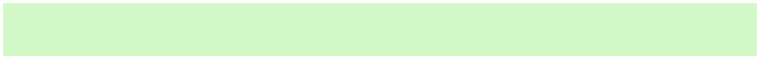
The Sweet Spot groups the original color and five complimentary colors.



199, 227, 249



240, 248, 255



199, 249, 238



119, 124, 128



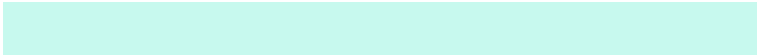
0, 0, 0



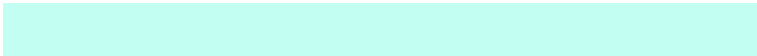
128, 128, 128

Same Dimension

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



199, 227, 249



194, 228, 255



199, 220, 249



112, 119, 125



0, 106, 189



0, 34, 61

Inverse Universe

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



249, 199, 210



255, 194, 207



249, 218, 199



125, 112, 115



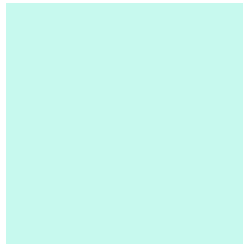
189, 0, 40



61, 0, 13

Previews

White Background



This preview shows how the RYB color 199, 227, 249 looks on a white background.

Color Contrast Check

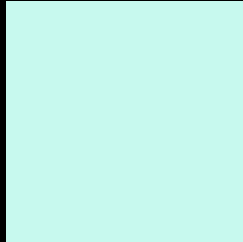
Large Text (above 18pt) WCAG AA × Fail

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 199, 227, 249 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

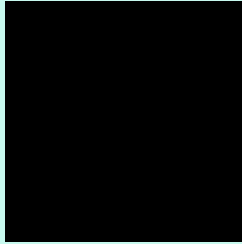
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

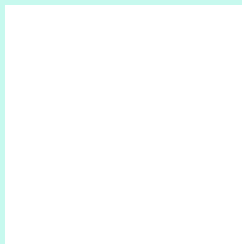
Any Text WCAG AAA ✓ Pass

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

RYB 199, 227, 249 Background



This preview shows how black text looks on a background with the RYB color 199, 227, 249.

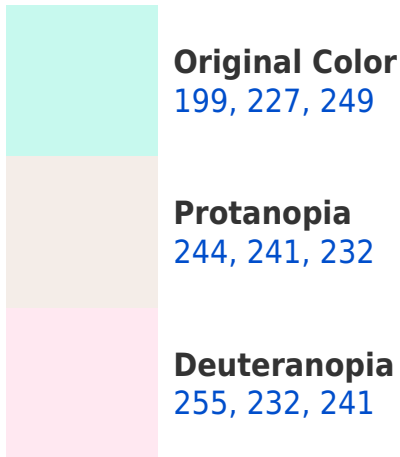


This preview shows how white text looks on a background with the RYB color 199, 227, 249.

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





Tritanopia

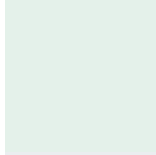
218, 233, 255

Trichromacy



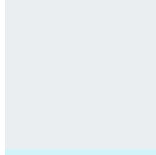
Original Color

199, 227, 249



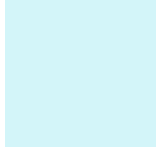
Protanomaly

228, 237, 241



Deuteranomaly

235, 237, 240



Tritanomaly

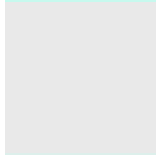
211, 229, 249

Monochromacy



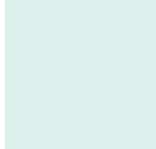
Original Color

199, 227, 249



Achromatopsia

233, 233, 233



Achromatomaly

221, 231, 239

CSS Examples

Text

The CSS property to change the color of the text to RYB 199, 227, 249 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(199, 249, 238)` looks like.

```
.text, #text, p{  
    color:rgb(199, 249, 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(199, 249, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 249, 238) }
```

Border

The CSS property to change the border of an element to RYB 199, 227, 249 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(199, 249, 238) }
```

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

```
.border{ border-color:rgb(199, 249, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 249, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 249, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 249, 238);  
box-shadow:4px 4px 4px 4px rgb(199, 249,  
238) }
```

Background

The CSS property to change the background color of an element to RYB 199, 227, 249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 249, 238) }
```

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

```
.background{ background-color: rgb(199,  
249, 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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