

Converting Colors

`RYB(159, 230, 249)`

Have a look what the booklet for
RYB(159, 230, 249) contains.

RYB(159, 230, 249)	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(159, 230, 249)

Conversions

Conversions Part 1

Format	Color
Hex	9FF9B7
RGB	159, 249, 183
RGB Percent	62%, 98%, 72%
CMY	0.3765, 0.0235, 0.2820
CMYK	0.36, 0.00, 0.26, 0.02
HSL	136°, 88%, 80%
HSV	136°, 36%, 98%
XYZ	56.7298, 78.5447, 57.0165
YIQ	214.5660, -32.4540, -39.6060

Conversions

Conversions Part 2

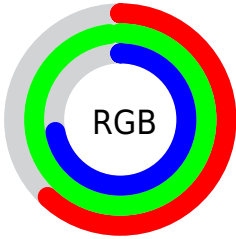
Format	Color
R_{YB}	159, 230, 249
Decimal	10484151
CIE _{Lab}	91.03, -40.35, 23.33
CIE _{LCh}	91, 46.605, 149.966
Yxy	78.5447, 0.2950, 0.4085
Android (android.graphics.Color)	4288674231 (0xFF9FF9B7)
YUV	214.5660, -15.5620, -48.7314
Hunter-Lab	88.6255, -40.8354, 23.8940

Details

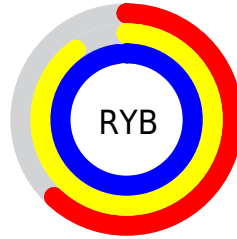
The RYB color **159, 230, 249** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **249, 159, 225**, and the grayscale version is **215, 215, 215**.

A 20% lighter version of the original color is **216, 241, 255**, and **104, 172, 192** is the 20% darker color. If you saturate the color by 10%, you get **134, 225, 249**, and if you desaturate by 10%, it is **184, 236, 249**.

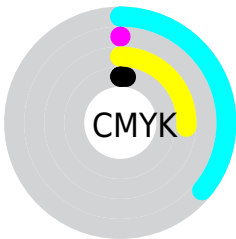
Distribution



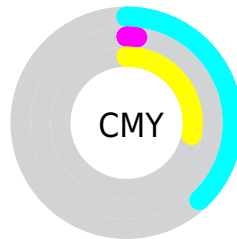
- Red (62%)
- Green (98%)
- Blue (72%)



- Red (62%)
- Yellow (90%)
- Blue (98%)



- Cyan (36%)
- Magenta (0%)
- Yellow (26%)
- Black (2%)



- Cyan (38%)
- Magenta (2%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the RYB color 159, 230, 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 159, 230, 249 by changing the saturation by 10% instead.

 159, 230, 249

255, 255, 255


 216, 241, 255


 245, 250, 255

 159, 230, 249

 131, 200, 220

 104, 172, 192

 76, 144, 165

 47, 114, 138

 8, 79, 112

 0, 63, 87

 0, 52, 62

 0, 41, 41

 0, 7, 7

■ 159, 230, 249

■ 159, 230, 249

■ 134, 225, 249

■ 184, 236, 249

■ 109, 219, 249

■ 209, 240, 249

■ 84, 214, 249

■ 234, 246, 249

■ 59, 209, 249

■ 255, 249, 255

■ 34, 203, 249

■ 10, 199, 249

■ 0, 196, 249

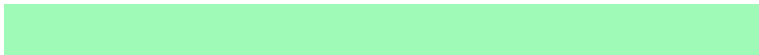
Harmonies

Analogous

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



150, 240, 178



159, 230, 249



99, 183, 253

Triad

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



159, 230, 249



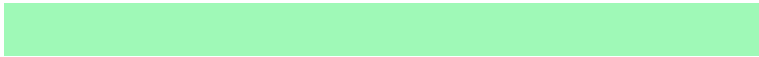
164, 204, 255



255, 200, 187

Complementary

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



159, 230, 249



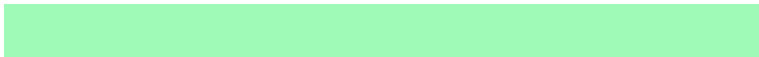
249, 159, 225

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, 195, 231



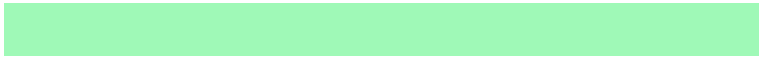
159, 230, 249



234, 218, 255

Square

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



159, 230, 249



85, 168, 255



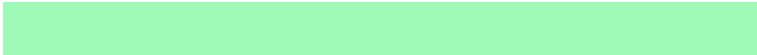
255, 202, 255



230, 255, 153

Rectangle

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



159, 230, 249



56, 155, 255



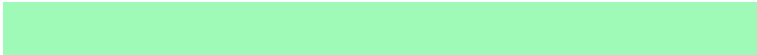
255, 202, 255



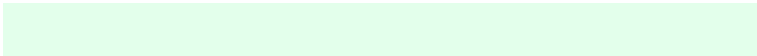
255, 196, 201

Sweetspot

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



159, 230, 249



227, 249, 255



159, 249, 183



111, 125, 128



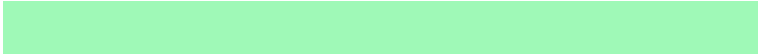
0, 0, 0



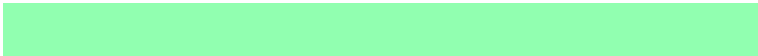
128, 128, 128

Same Dimension

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



159, 230, 249



145, 231, 255



159, 210, 249



112, 122, 125



0, 149, 189



0, 48, 61

Inverse Universe

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



249, 159, 225



255, 145, 226



249, 159, 180



125, 112, 122



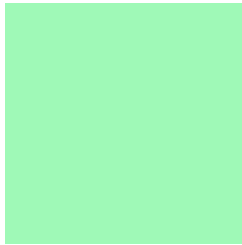
189, 0, 138



61, 0, 45

Previews

White Background



This preview shows how the RYB color 159, 230, 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 159, 230, 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 159, 230, 249 Background



This preview shows how black text looks on a background with the RYB color 159, 230, 249.

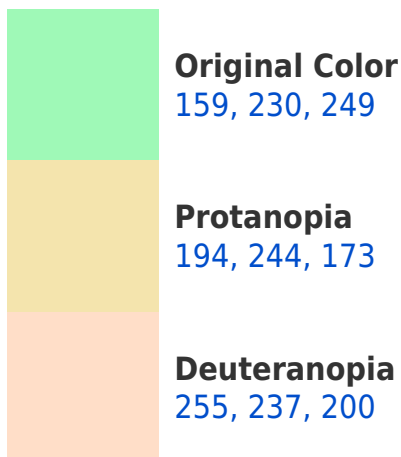


This preview shows how white text looks on a background with the RYB color 159, 230, 249.

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





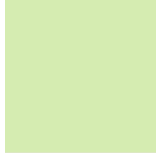
Tritanopia
182, 214, 255

Trichromacy



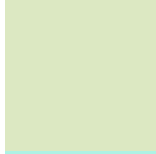
Original Color

159, 230, 249



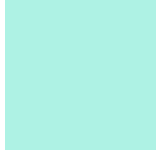
Protanomaly

177, 236, 200



Deuteranomaly

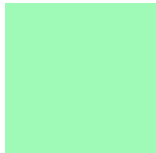
194, 232, 206



Tritanomaly

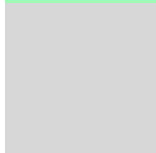
174, 212, 242

Monochromacy



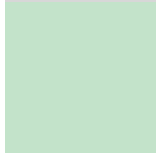
Original Color

159, 230, 249



Achromatopsia

215, 215, 215



Achromatomaly

195, 221, 227

CSS Examples

Text

The CSS property to change the color of the text to RYB 159, 230, 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(159, 249, 183)` looks like.

```
.text, #text, p{  
    color:rgb(159, 249, 183)  
}
```

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(159, 249, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 249, 183) }
```

Border

The CSS property to change the border of an element to RYB 159, 230, 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(159, 249, 183) }
```

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

```
.border{ border-color:rgb(159, 249, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 249, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 249, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 249, 183);  
box-shadow:4px 4px 4px 4px rgb(159, 249,  
183) }
```

Background

The CSS property to change the background color of an element to RYB 159, 230, 249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 249, 183) }
```

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

```
.background{ background-color: rgb(159,  
249, 183) }
```

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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