

Converting Colors

`RYB(159, 250, 218)`

Have a look what the booklet for
RYB(159, 250, 218) contains.

RYB(159, 250, 218)	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, 250, 218)

Conversions

Conversions Part 1

Format	Color
Hex	BFFA9F
RGB	191, 250, 159
RGB Percent	75%, 98%, 62%
CMY	0.2510, 0.0196, 0.3765
CMYK	0.24, 0.00, 0.36, 0.02
HSL	99°, 90%, 80%
HSV	99°, 36%, 98%
XYZ	61.9295, 81.9508, 45.3549
YIQ	221.9850, -5.9530, -40.8090

Conversions

Conversions Part 2

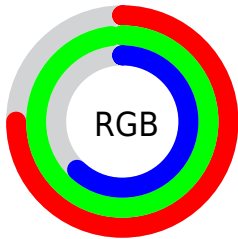
Format	Color
RYB	159, 250, 218
Decimal	12581535
CIELab	92.55, -34.43, 37.79
CIELCh	93, 51.129, 132.336
Yxy	81.9508, 0.3273, 0.4331
Android (android.graphics.Color)	4290771615 (0xFFBFFA9F)
YUV	221.9850, -31.0516, -27.1738
Hunter-Lab	90.5267, -36.3095, 33.6637

Details

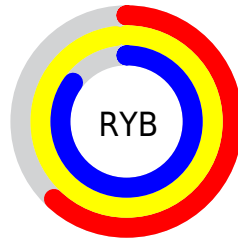
The RYB color **159, 250, 218** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **218, 159, 250**, and the grayscale version is **222, 222, 222**.

A 20% lighter version of the original color is **214, 255, 220**, and **106, 193, 163** is the 20% darker color. If you saturate the color by 10%, you get **134, 250, 209**, and if you desaturate by 10%, it is **184, 250, 227**.

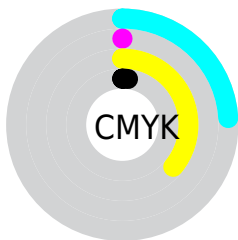
Distribution



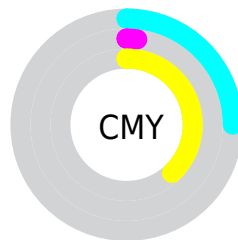
- Red (75%)
- Green (98%)
- Blue (62%)



- Red (62%)
- Yellow (98%)
- Blue (85%)



- Cyan (24%)
- Magenta (0%)
- Yellow (36%)
- Black (2%)



- Cyan (25%)
- Magenta (2%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the RYB color 159, 250, 218 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, 250, 218 by changing the saturation by 10% instead.

 159, 250, 218

255, 255, 255


 214, 255, 220


 243, 255, 243


 159, 250, 218

 132, 221, 190

 106, 193, 163

 81, 166, 138


 56, 139, 112

 32, 113, 88

 4, 88, 63

 0, 64, 64

 0, 42, 42

 0, 16, 16

■ 159, 250, 218

■ 159, 250, 218

■ 134, 250, 209

■ 184, 250, 227

■ 109, 250, 200

■ 209, 250, 236

■ 84, 250, 192

■ 234, 250, 244

■ 59, 250, 183

■ 255, 250, 255

■ 34, 250, 174

■ 9, 250, 165

■ 0, 250, 162

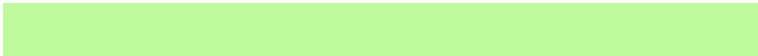
Harmonies

Analogous

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



145, 245, 136



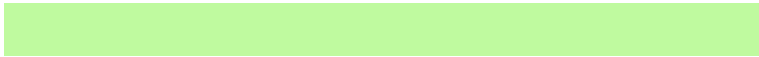
159, 250, 218



127, 208, 255

Triad

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



159, 250, 218



101, 176, 255



255, 195, 215

Complementary

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



159, 250, 218



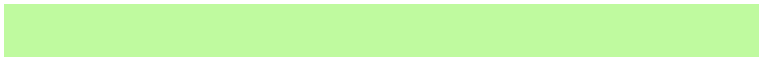
218, 159, 250

Split Complementary

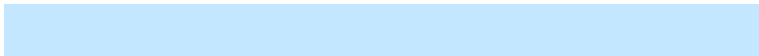
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



255, 199, 255



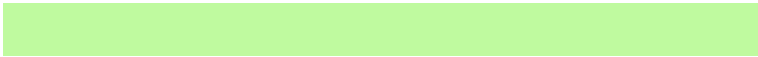
159, 250, 218



194, 217, 255

Square

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



159, 250, 218



0, 128, 255



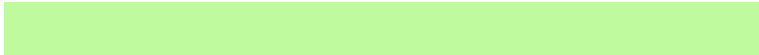
255, 213, 255



255, 227, 170

Rectangle

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



159, 250, 218



72, 169, 255



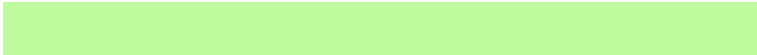
255, 213, 255



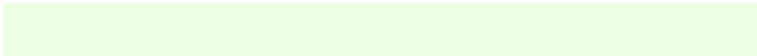
255, 195, 232

Sweetspot

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



159, 250, 218



227, 255, 245



211, 250, 159



111, 128, 122



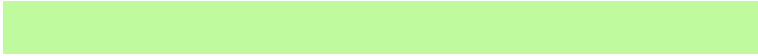
0, 0, 0



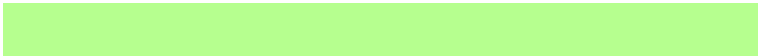
128, 128, 128

Same Dimension

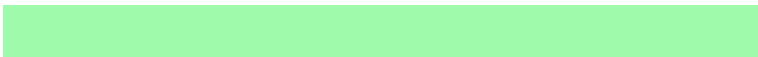
The Same Dimension uses a secret algorithm to generate beautiful new colors.



159, 250, 218



143, 255, 216



159, 239, 250



112, 125, 120



0, 189, 123



0, 61, 39

Inverse Universe

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



218, 159, 250



216, 143, 255



250, 159, 238



121, 112, 125



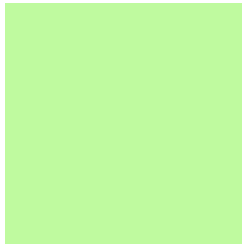
122, 0, 189



40, 0, 61

Previews

White Background



This preview shows how the RYB color 159, 250, 218 looks on a white background.

Color Contrast Check

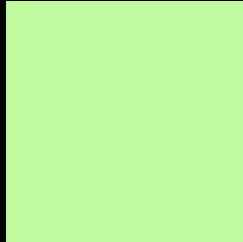
Large Text (above 18pt) WCAG AA × Fail

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, 250, 218 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, 250, 218 Background



This preview shows how black text looks on a background with the RYB color 159, 250, 218.

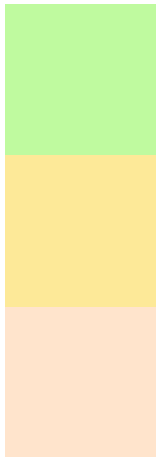


This preview shows how white text looks on a background with the RYB color 159, 250, 218.

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
159, 250, 218

Protanopia
177, 253, 152

Deuteranopia
255, 249, 204



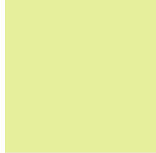
Tritanopia
209, 227, 255

Trichromacy



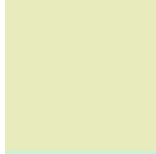
Original Color

159, 250, 218



Protanomaly

155, 239, 164



Deuteranomaly

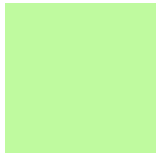
188, 236, 192



Tritanomaly

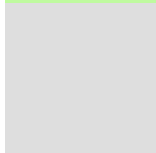
202, 230, 242

Monochromacy



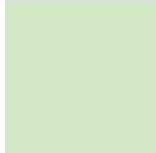
Original Color

159, 250, 218



Achromatopsia

222, 222, 222



Achromatomaly

199, 232, 220

CSS Examples

Text

The CSS property to change the color of the text to RYB 159, 250, 218 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(191, 250, 159)` looks like.

```
.text, #text, p{  
    color:rgb(191, 250, 159)  
}
```

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(191, 250, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 250, 159) }
```

Border

The CSS property to change the border of an element to RYB 159, 250, 218 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(191, 250, 159) }
```

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

```
.border{ border-color:rgb(191, 250, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 250, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 250, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 250, 159);  
box-shadow:4px 4px 4px 4px rgb(191, 250,  
159) }
```

Background

The CSS property to change the background color of an element to RYB 159, 250, 218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 250, 159) }
```

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

```
.background{ background-color: rgb(191,  
250, 159) }
```

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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