

# Converting Colors

`RYB(155, 246, 200)`

Have a look what the booklet for  
RYB(155, 246, 200) contains.

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# **Color**

**R<sub>Y</sub>B(155, 246, 200)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C9F69B
RGB	201, 246, 155
RGB Percent	79%, 96%, 61%
CMY	0.2118, 0.0353, 0.3922
CMYK	0.18, 0.00, 0.37, 0.04
HSL	90°, 83%, 79%
HSV	90°, 37%, 96%
XYZ	62.9596, 80.6956, 43.2678
YIQ	222.1710, 2.3910, -37.8410

# Conversions

## Conversions Part 2

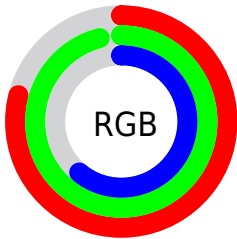
<b>Format</b>	<b>Color</b>
<b>RYB</b>	155, 246, 200
Decimal	13235867
CIELab	92.00, -29.64, 39.16
CIELCh	92, 49.115, 127.124
Yxy	80.6956, 0.3368, 0.4317
Android (android.graphics.Color)	4291425947 (0xFFC9F69B)
YUV	222.1710, -33.1153, -18.5670
Hunter-Lab	89.8307, -32.0987, 34.3239

# Details

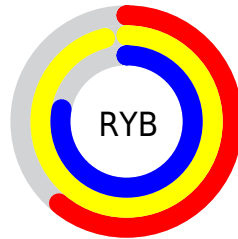
The RYB color **155, 246, 200** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **200, 155, 246**, and the grayscale version is **222, 222, 222**.

A 20% lighter version of the original color is **210, 255, 210**, and **102, 190, 146** is the 20% darker color. If you saturate the color by 10%, you get **130, 246, 187**, and if you desaturate by 10%, it is **180, 246, 213**.

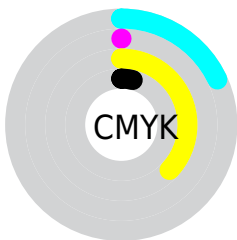
# Distribution



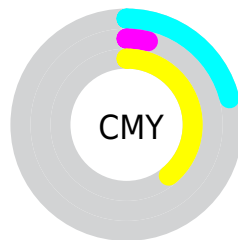
- Red (79%)
- Green (96%)
- Blue (61%)



- Red (61%)
- Yellow (96%)
- Blue (78%)



- Cyan (18%)
- Magenta (0%)
- Yellow (37%)
- Black (4%)



- Cyan (21%)
- Magenta (4%)
- Yellow (39%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 155, 246, 200 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 155, 246, 200 by changing the saturation by 10% instead.



 155, 246, 200


255, 255, 255


 210, 255, 210

 239, 255, 239


 155, 246, 200


 128, 217, 172

 102, 190, 146

 77, 162, 120


 53, 136, 96

 28, 110, 71

 0, 86, 44

 0, 62, 45

 0, 40, 40

 0, 13, 13

■ 155, 246, 200

■ 155, 246, 200

■ 130, 246, 187

■ 180, 246, 213

■ 106, 246, 175

■ 204, 246, 225

■ 81, 246, 162

■ 229, 246, 238

■ 57, 246, 151

■ 250, 246, 253

■ 32, 246, 138

■ 255, 246, 255

■ 7, 246, 125

■ 0, 246, 122

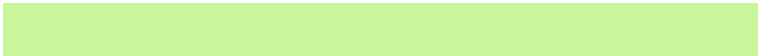
# Harmonies

## Analogous

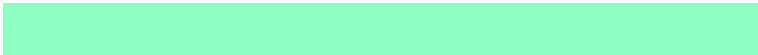
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



160, 252, 137



155, 246, 200



142, 218, 254

# Triad

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



155, 246, 200



93, 172, 255



255, 195, 222

# Complementary

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



155, 246, 200



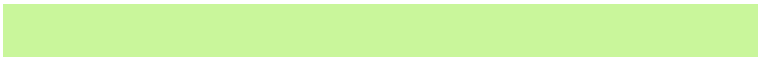
200, 155, 246

# Split Complementary

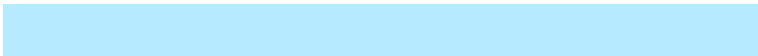
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



255, 201, 255



155, 246, 200



181, 212, 255

# Square

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



155, 246, 200



0, 128, 255



252, 216, 255



255, 214, 177

# Rectangle

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



155, 246, 200



97, 184, 255



252, 216, 255

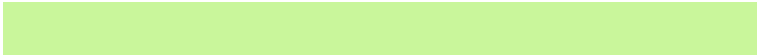


255, 195, 239



# Sweetspot

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



155, 246, 200



227, 255, 241



246, 240, 155



111, 128, 120



0, 0, 0

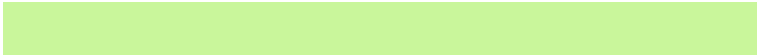


128, 128, 128

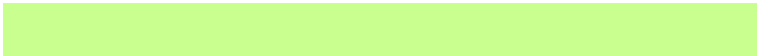


# Same Dimension

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



155, 246, 200



143, 255, 198



155, 246, 244



110, 122, 116



0, 186, 92



0, 59, 29



# Inverse Universe

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



200, 155, 246



198, 143, 255



244, 155, 246



116, 110, 122



92, 0, 186

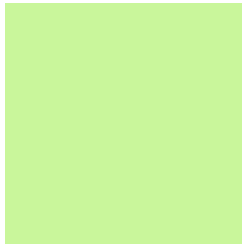


29, 0, 59



# Previews

## White Background



This preview shows how the RYB color 155, 246, 200 looks on a white background.

## Color Contrast Check

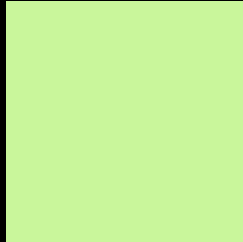
Large Text (above 18pt) WCAG AA × Fail

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 155, 246, 200 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 155, 246, 200 Background**



This preview shows how black text looks on a background with the RYB color 155, 246, 200.

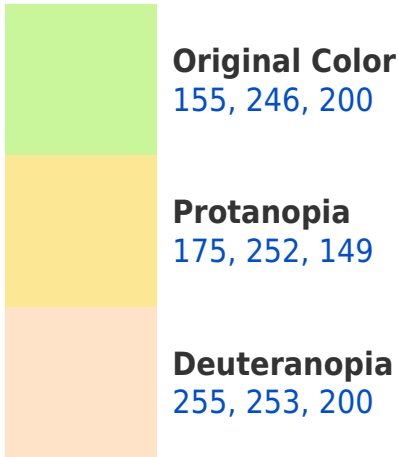


This preview shows how white text looks on a background with the RYB color 155, 246, 200.

# 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





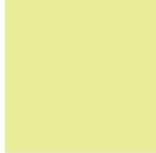
**Tritanopia**  
215, 228, 253

# Trichromacy



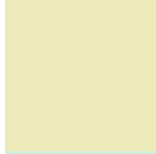
**Original Color**

155, 246, 200



**Protanomaly**

151, 236, 154



**Deuteranomaly**

185, 235, 184



**Tritanomaly**

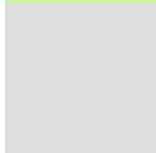
210, 232, 238

# Monochromacy



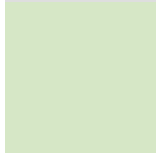
**Original Color**

155, 246, 200



**Achromatopsia**

222, 222, 222



**Achromatomaly**

198, 231, 215

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 155, 246, 200 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(201, 246, 155)` looks like.

```
.text, #text, p{  
    color:rgb(201, 246, 155)  
}
```

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(201, 246, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 246, 155) }
```

## Border

The CSS property to change the border of an element to RYB 155, 246, 200 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(201, 246, 155) }
```

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

```
.border{ border-color:rgb(201, 246, 155) }
```

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

Here you see how a box with a 4 pixel rgb(201, 246, 155) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 246, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 246, 155);  
box-shadow:4px 4px 4px 4px rgb(201, 246,  
155) }
```

# Background

The CSS property to change the background color of an element to RYB 155, 246, 200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 246, 155) }
```

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

```
.background{ background-color: rgb(201,  
246, 155) }
```

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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