

# Converting Colors

`RYB(151, 251, 213)`

Have a look what the booklet for  
RYB(151, 251, 213) contains.

<b>RYB(151, 251, 213)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

**R<sub>Y</sub>B(151, 251, 213)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BDFB97
RGB	189, 251, 151
RGB Percent	74%, 98%, 59%
CMY	0.2588, 0.0157, 0.4078
CMYK	0.25, 0.00, 0.40, 0.02
HSL	97°, 93%, 79%
HSV	97°, 40%, 98%
XYZ	61.0694, 82.0475, 41.8962
YIQ	221.0620, -4.8520, -44.2440

# Conversions

## Conversions Part 2

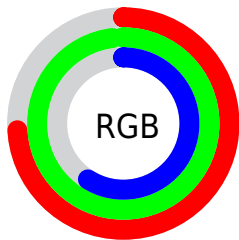
<b>Format</b>	<b>Color</b>
<b>RYB</b>	151, 251, 213
Decimal	12450711
CIELab	92.60, -36.63, 41.77
CIELCh	93, 55.556, 131.255
Yxy	82.0475, 0.3301, 0.4435
Android (android.graphics.Color)	4290640791 (0xFFBDFB97)
YUV	221.0620, -34.5406, -28.1184
Hunter-Lab	90.5801, -38.1700, 35.9825

# Details

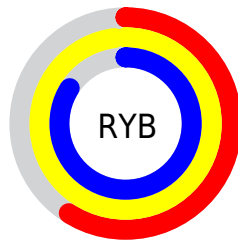
The RYB color **151, 251, 213** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **213, 151, 251**, and the grayscale version is **221, 221, 221**.

A 20% lighter version of the original color is **206, 255, 214**, and **98, 194, 159** is the 20% darker color. If you saturate the color by 10%, you get **126, 251, 204**, and if you desaturate by 10%, it is **176, 251, 222**.

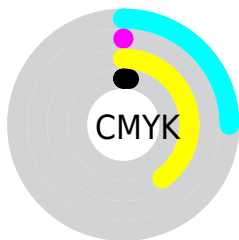
# Distribution



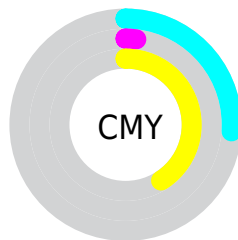
- Red (74%)
- Green (98%)
- Blue (59%)



- Red (59%)
- Yellow (98%)
- Blue (84%)



- Cyan (25%)
- Magenta (0%)
- Yellow (40%)
- Black (2%)



- Cyan (26%)
- Magenta (2%)
- Yellow (41%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 151, 251, 213 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 151, 251, 213 by changing the saturation by 10% instead.



 151, 251, 213


255, 255, 255


 206, 255, 214

 235, 255, 235


 151, 251, 213


 124, 222, 185

 98, 194, 159

 73, 167, 133


 48, 140, 108

 22, 114, 83

 0, 89, 65

 0, 65, 65

 0, 43, 43

 0, 16, 16

 151, 251, 213

 151, 251, 213

 126, 251, 204

 176, 251, 222

 101, 251, 194

 201, 251, 232

 76, 251, 185

 226, 251, 241

 51, 251, 175

 251, 251, 251

 25, 251, 165

 255, 251, 255

 0, 251, 155

 0, 251, 156

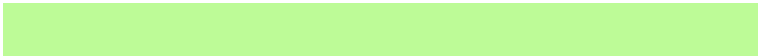
# Harmonies

## Analogous

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



138, 248, 126



151, 251, 213



116, 203, 255

# Triad

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



151, 251, 213



64, 158, 255



255, 191, 215

# Complementary

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



151, 251, 213



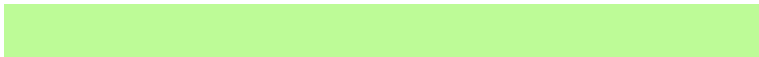
213, 151, 251

# Split Complementary

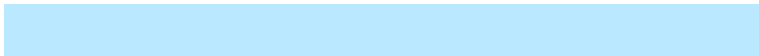
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



255, 195, 255



151, 251, 213



185, 213, 255

# Square

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



151, 251, 213



0, 128, 255



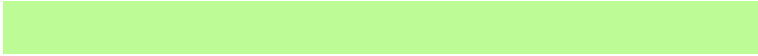
255, 212, 255



255, 224, 166

# Rectangle

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



151, 251, 213



32, 149, 255



255, 212, 255

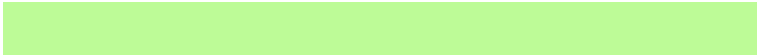


255, 190, 234

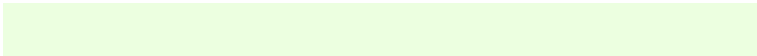


# Sweetspot

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



151, 251, 213



224, 255, 243



212, 251, 151



110, 128, 122



0, 0, 0

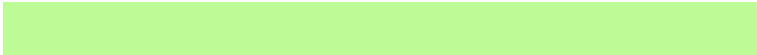


128, 128, 128

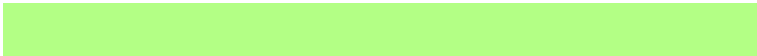


# Same Dimension

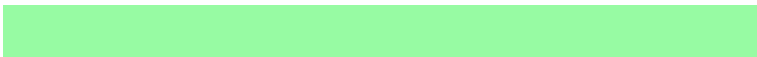
The Same Dimension uses a secret algorithm to generate beautiful new colors.



151, 251, 213



133, 255, 209



151, 240, 251



112, 125, 120



0, 189, 117



0, 61, 38



# Inverse Universe

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



213, 151, 251



208, 133, 255



251, 151, 239



120, 112, 125



117, 0, 189

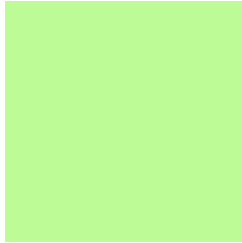


38, 0, 61



# Previews

## White Background



This preview shows how the RYB color 151, 251, 213 looks on a white background.

## Color Contrast Check

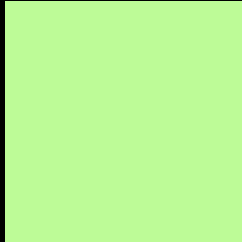
Large Text (above 18pt) WCAG AA × Fail

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 151, 251, 213 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 151, 251, 213 Background**



This preview shows how black text looks on a background with the RYB color 151, 251, 213.

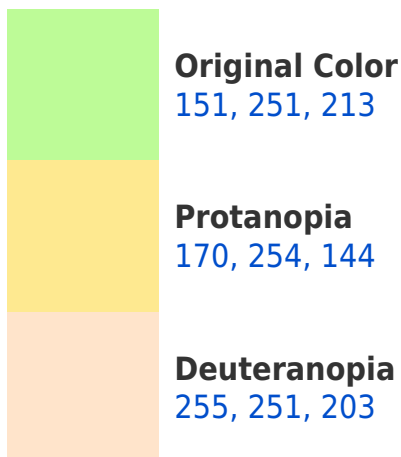


This preview shows how white text looks on a background with the RYB color 151, 251, 213.

# 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





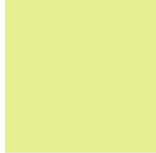
**Tritanopia**  
208, 226, 255

# Trichromacy



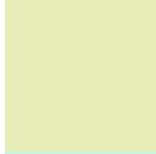
**Original Color**

151, 251, 213



**Protanomaly**

147, 240, 157



**Deuteranomaly**

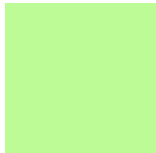
184, 236, 189



**Tritanomaly**

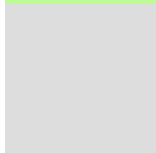
201, 231, 243

# Monochromacy



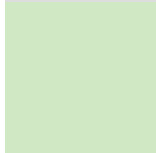
**Original Color**

151, 251, 213



**Achromatopsia**

221, 221, 221



**Achromatomaly**

196, 232, 219

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 151, 251, 213 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(189, 251, 151)` looks like.

```
.text, #text, p{  
    color:rgb(189, 251, 151)  
}
```

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(189, 251, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 251, 151) }
```

## Border

The CSS property to change the border of an element to RYB 151, 251, 213 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(189, 251, 151) }
```

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

```
.border{ border-color:rgb(189, 251, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 251, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 251, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 251, 151);  
box-shadow:4px 4px 4px 4px rgb(189, 251,  
151) }
```

# Background

The CSS property to change the background color of an element to RYB 151, 251, 213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 251, 151) }
```

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

```
.background{ background-color: rgb(189,  
251, 151) }
```

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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