

Converting Colors

`RYB(151, 237, 221)`

Have a look what the booklet for
RYB(151, 237, 221) contains.

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Color

R_YB(151, 237, 221)

Conversions

Conversions Part 1

Format	Color
Hex	A7ED97
RGB	167, 237, 151
RGB Percent	65%, 93%, 59%
CMY	0.3451, 0.0706, 0.4078
CMYK	0.30, 0.00, 0.36, 0.07
HSL	109°, 70%, 76%
HSV	109°, 36%, 93%
XYZ	51.8065, 71.0182, 40.2556
YIQ	206.2660, -14.1140, -41.5860

Conversions

Conversions Part 2

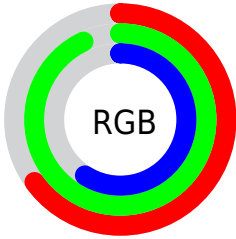
Format	Color
RYB	151, 237, 221
Decimal	11005335
CIELab	87.49, -37.66, 34.89
CIElCh	87, 51.343, 137.186
Yxy	71.0182, 0.3177, 0.4355
Android (android.graphics.Color)	4289195415 (0xFFA7ED97)
YUV	206.2660, -27.2461, -34.4363
Hunter-Lab	84.2723, -37.7436, 30.6687

Details

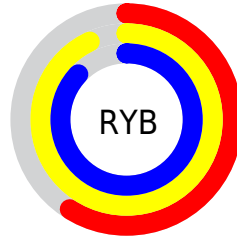
The RYB color **151, 237, 221** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **221, 151, 237**, and the grayscale version is **207, 207, 207**.

A 20% lighter version of the original color is **206, 255, 237**, and **99, 181, 168** is the 20% darker color. If you saturate the color by 10%, you get **127, 237, 216**, and if you desaturate by 10%, it is **175, 237, 226**.

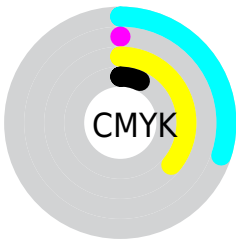
Distribution



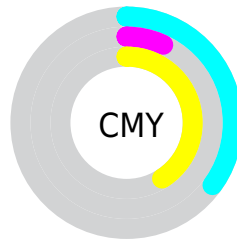
- Red (65%)
- Green (93%)
- Blue (59%)



- Red (59%)
- Yellow (93%)
- Blue (87%)



- Cyan (30%)
- Magenta (0%)
- Yellow (36%)
- Black (7%)



- Cyan (35%)
- Magenta (7%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the RYB color 151, 237, 221 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, 237, 221 by changing the saturation by 10% instead.

 151, 237, 221


255, 255, 255


 206, 255, 237


 234, 255, 236

 151, 237, 221

 125, 209, 195

 99, 181, 168


 74, 154, 142

 50, 127, 118

 26, 102, 97

 0, 77, 77

 0, 53, 53

 0, 33, 33

 0, 0, 0

■ 151, 237, 221

■ 151, 237, 221

■ 127, 237, 216

■ 175, 237, 226

■ 104, 237, 213

■ 198, 237, 229

■ 80, 237, 208

■ 222, 237, 234

■ 56, 237, 203

■ 244, 237, 246

■ 33, 237, 199

■ 255, 237, 255

■ 9, 237, 195

■ 0, 237, 193

Harmonies

Analogous

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



124, 225, 127



151, 237, 221



98, 185, 244

Triad

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



151, 237, 221



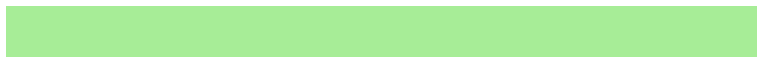
98, 170, 255



255, 181, 193

Complementary

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



151, 237, 221



221, 151, 237

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, 183, 242



151, 237, 221



192, 208, 255

Square

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



151, 237, 221



0, 124, 255



255, 196, 255



255, 220, 150

Rectangle

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



151, 237, 221



0, 126, 245



255, 196, 255



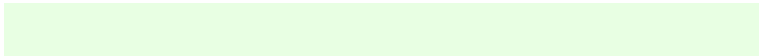
255, 180, 209

Sweetspot

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



151, 237, 221



227, 255, 250



172, 237, 151



111, 128, 125



0, 0, 0



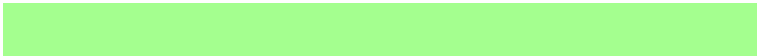
128, 128, 128

Same Dimension

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



151, 237, 221



143, 255, 234



151, 217, 237



106, 117, 115



0, 181, 147



0, 54, 44

Inverse Universe

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



221, 151, 237



234, 143, 255



237, 151, 211



115, 106, 117



147, 0, 181



44, 0, 54

Previews

White Background



This preview shows how the RYB color 151, 237, 221 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, 237, 221 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](#).

R Y B 151, 237, 221 Background



This preview shows how black text looks on a background with the RYB color 151, 237, 221.

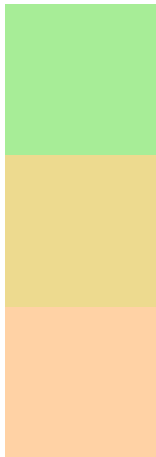


This preview shows how white text looks on a background with the RYB color 151, 237, 221.

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
151, 237, 221

Protanopia
167, 237, 143

Deuteranopia
255, 255, 165



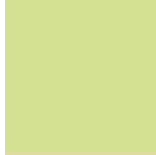
Tritanopia
183, 208, 244

Trichromacy



Original Color

151, 237, 221



Protanomaly

146, 225, 159



Deuteranomaly

163, 223, 160



Tritanomaly

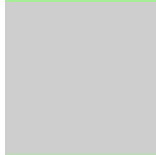
177, 210, 230

Monochromacy



Original Color

151, 237, 221



Achromatopsia

206, 206, 206



Achromatomaly

186, 217, 211

CSS Examples

Text

The CSS property to change the color of the text to RYB 151, 237, 221 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(167, 237, 151)` looks like.

```
.text, #text, p{  
    color:rgb(167, 237, 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(167, 237, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 237, 151) }
```

Border

The CSS property to change the border of an element to RYB 151, 237, 221 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(167, 237, 151) }
```

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

```
.border{ border-color:rgb(167, 237, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 237, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 237, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 237, 151);  
box-shadow:4px 4px 4px 4px rgb(167, 237,  
151) }
```

Background

The CSS property to change the background color of an element to RYB 151, 237, 221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 237, 151) }
```

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

```
.background{ background-color: rgb(167,  
237, 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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