

Converting Colors

`RYB(151, 234, 219)`

Have a look what the booklet for
RYB(151, 234, 219) contains.

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Color

R_YB(151, 234, 219)

Conversions

Conversions Part 1

Format	Color
Hex	A6EA97
RGB	166, 234, 151
RGB Percent	65%, 92%, 59%
CMY	0.3490, 0.0824, 0.4078
CMYK	0.29, 0.00, 0.35, 0.08
HSL	109°, 66%, 75%
HSV	109°, 35%, 92%
XYZ	50.7346, 69.1870, 39.9586
YIQ	204.2060, -13.8850, -40.2290

Conversions

Conversions Part 2

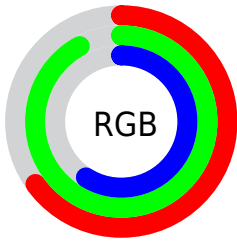
Format	Color
RYB	151, 234, 219
Decimal	10939031
CIELab	86.60, -36.63, 33.70
CIElCh	87, 49.776, 137.387
Yxy	69.1870, 0.3173, 0.4327
Android (android.graphics.Color)	4289129111 (0xFFA6EA97)
YUV	204.2060, -26.2306, -33.5067
Hunter-Lab	83.1787, -36.6872, 29.7425

Details

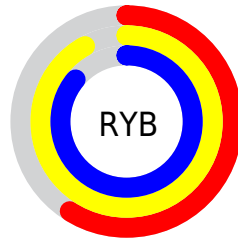
The RYB color **151, 234, 219** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **219, 151, 234**, and the grayscale version is **204, 204, 204**.

A 20% lighter version of the original color is **206, 255, 238**, and **99, 178, 165** is the 20% darker color. If you saturate the color by 10%, you get **128, 234, 215**, and if you desaturate by 10%, it is **174, 234, 223**.

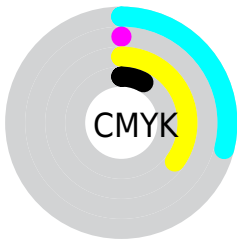
Distribution



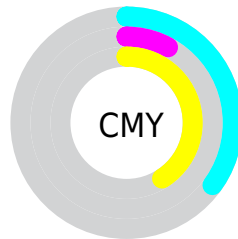
- Red (65%)
- Green (92%)
- Blue (59%)



- Red (59%)
- Yellow (92%)
- Blue (86%)



- Cyan (29%)
- Magenta (0%)
- Yellow (35%)
- Black (8%)




- Cyan (35%)
- Magenta (8%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the RYB color 151, 234, 219 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, 234, 219 by changing the saturation by 10% instead.

 151, 234, 219


255, 255, 255


 206, 255, 238


 234, 255, 237

 151, 234, 219

 125, 206, 192

 99, 178, 165


 74, 151, 140

 50, 125, 116

 26, 99, 94

 0, 74, 75

 0, 51, 51

 0, 31, 31

 0, 0, 0

■ 151, 234, 219

■ 151, 234, 219

■ 128, 234, 215

■ 174, 234, 223

■ 104, 234, 210

■ 198, 234, 228

■ 81, 234, 207

■ 221, 234, 231

■ 57, 234, 202

■ 243, 234, 245

■ 34, 234, 198

■ 255, 234, 255

■ 11, 234, 194

■ 0, 234, 192

Harmonies

Analogous

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



125, 223, 128



151, 234, 219



101, 184, 240

Triad

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



151, 234, 219



103, 171, 255



255, 180, 191

Complementary

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



151, 234, 219



219, 151, 234

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, 181, 239



151, 234, 219



191, 207, 255

Square

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



151, 234, 219



0, 123, 255



255, 194, 255



255, 219, 149

Rectangle

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



151, 234, 219



30, 140, 242



255, 194, 255



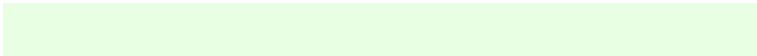
255, 179, 207

Sweetspot

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



151, 234, 219



227, 255, 250



169, 234, 151



111, 128, 125



0, 0, 0



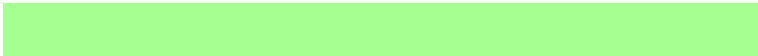
128, 128, 128

Same Dimension

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



151, 234, 219



145, 255, 235



151, 214, 234



106, 117, 115



0, 181, 148



0, 54, 44

Inverse Universe

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



219, 151, 234



235, 145, 255



234, 151, 208



115, 106, 117



148, 0, 181



44, 0, 54

Previews

White Background



This preview shows how the RYB color 151, 234, 219 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, 234, 219 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

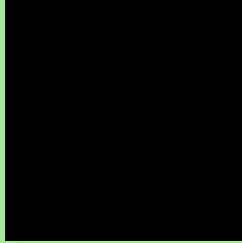
Any Text WCAG AA ✓ Pass

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, 234, 219 Background



This preview shows how black text looks on a background with the RYB color 151, 234, 219.

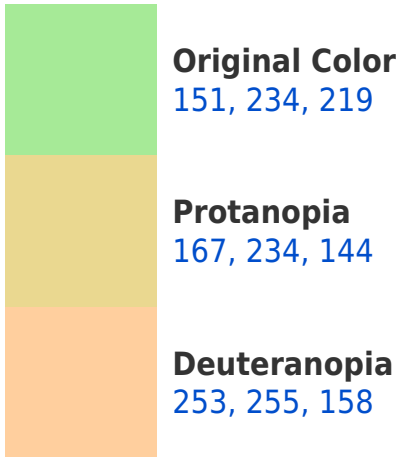


This preview shows how white text looks on a background with the RYB color 151, 234, 219.

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





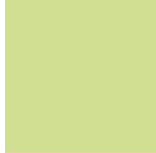
Tritanopia
181, 206, 241

Trichromacy



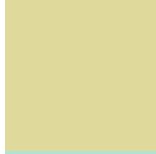
Original Color

151, 234, 219



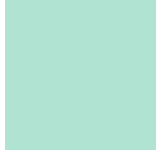
Protanomaly

147, 223, 161



Deuteranomaly

162, 223, 155



Tritanomaly

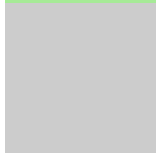
176, 207, 227

Monochromacy



Original Color

151, 234, 219



Achromatopsia

204, 204, 204



Achromatomaly

185, 215, 210

CSS Examples

Text

The CSS property to change the color of the text to RYB 151, 234, 219 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(166, 234, 151)` looks like.

```
.text, #text, p{  
    color:rgb(166, 234, 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(166, 234, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 234, 151) }
```

Border

The CSS property to change the border of an element to RYB 151, 234, 219 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(166, 234, 151) }
```

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

```
.border{ border-color:rgb(166, 234, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 234, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 234, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 234, 151);  
box-shadow:4px 4px 4px 4px rgb(166, 234,  
151) }
```

Background

The CSS property to change the background color of an element to RYB 151, 234, 219 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 234, 151) }
```

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

```
.background{ background-color: rgb(166,  
234, 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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