

Converting Colors

`RYB(155, 235, 191)`

Have a look what the booklet for
RYB(155, 235, 191) contains.

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Color

R_YB(155, 235, 191)

Conversions

Conversions Part 1

Format	Color
Hex	C7EB9B
RGB	199, 235, 155
RGB Percent	78%, 92%, 61%
CMY	0.2196, 0.0784, 0.3922
CMYK	0.15, 0.00, 0.34, 0.08
HSL	87°, 67%, 76%
HSV	87°, 34%, 92%
XYZ	59.1779, 73.9253, 42.1604
YIQ	215.1160, 4.2240, -32.5120

Conversions

Conversions Part 2

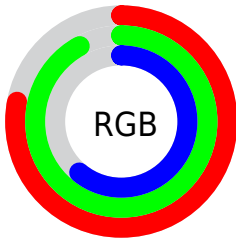
Format	Color
RYB	155, 235, 191
Decimal	13101979
CIELab	88.89, -25.15, 35.07
CIELCh	89, 43.153, 125.648
Yxy	73.9253, 0.3377, 0.4218
Android (android.graphics.Color)	4291292059 (0xFFC7EB9B)
YUV	215.1160, -29.6372, -14.1337
Hunter-Lab	85.9798, -27.6074, 31.1129

Details

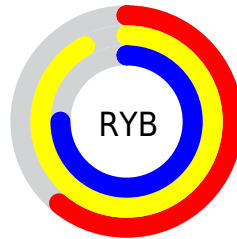
The RYB color **155, 235, 191** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **191, 155, 235**, and the grayscale version is **215, 215, 215**.

A 20% lighter version of the original color is **210, 255, 210**, and **103, 179, 138** is the 20% darker color. If you saturate the color by 10%, you get **132, 235, 179**, and if you desaturate by 10%, it is **179, 235, 204**.

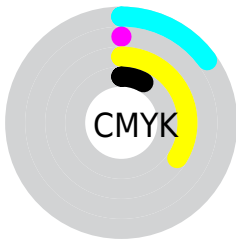
Distribution



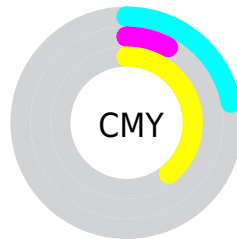
- Red (78%)
- Green (92%)
- Blue (61%)



- Red (61%)
- Yellow (92%)
- Blue (75%)



- Cyan (15%)
- Magenta (0%)
- Yellow (34%)
- Black (8%)



- Cyan (22%)
- Magenta (8%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the RYB color 155, 235, 191 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, 235, 191 by changing the saturation by 10% instead.

 155, 235, 191

255, 255, 255


 210, 255, 210


 239, 255, 239


 155, 235, 191

 129, 207, 165

 103, 179, 138


 78, 152, 112

 54, 126, 88

 30, 101, 64

 4, 77, 39

 0, 54, 35

 0, 33, 33

 0, 0, 0

 155, 235, 191

 155, 235, 191

 132, 235, 179

 179, 235, 204


 108, 235, 165

 202, 235, 217

 85, 235, 153

 226, 235, 230

 61, 235, 139

 241, 235, 249

 37, 235, 126

 252, 235, 255

 14, 235, 113

 255, 235, 255

 0, 235, 106

Harmonies

Analogous

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



166, 243, 141



155, 235, 191



149, 215, 243

Triad

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



155, 235, 191



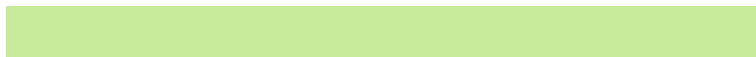
111, 178, 255



255, 191, 217

Complementary

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



155, 235, 191



191, 155, 235

Split Complementary

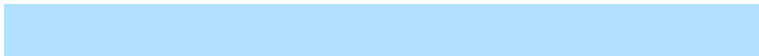
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



255, 197, 255



155, 235, 191



178, 207, 255

Square

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



155, 235, 191



68, 159, 255



239, 210, 255



255, 204, 177

Rectangle

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



155, 235, 191



115, 188, 245



239, 210, 255



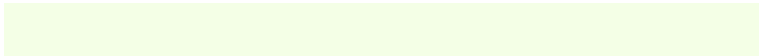
255, 192, 231

Sweetspot

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



155, 235, 191



230, 255, 241



235, 220, 155



112, 128, 119



0, 0, 0



128, 128, 128

Same Dimension

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



155, 235, 191



150, 255, 197



155, 235, 230



106, 117, 111



0, 181, 81



0, 54, 25

Inverse Universe

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



191, 155, 235



197, 150, 255



231, 155, 235



111, 106, 117



81, 0, 181



24, 0, 54

Previews

White Background



This preview shows how the RYB color 155, 235, 191 looks on a white background.

Color Contrast Check

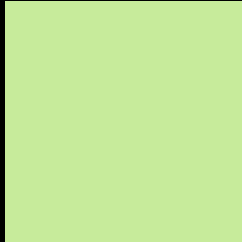
Large Text (above 18pt) WCAG AA × Fail

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, 235, 191 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

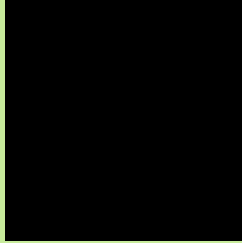
Any Text WCAG AA ✓ Pass

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, 235, 191 Background



This preview shows how black text looks on a background with the RYB color 155, 235, 191.

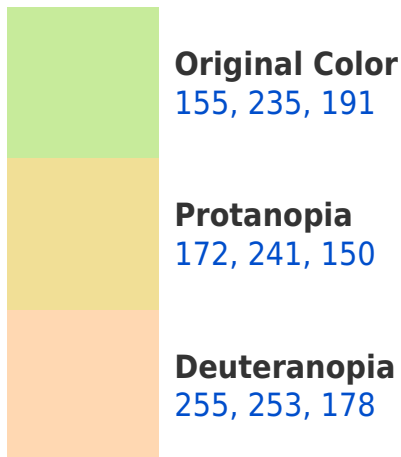


This preview shows how white text looks on a background with the RYB color 155, 235, 191.

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





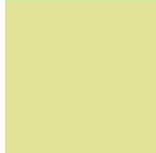
Tritanopia
211, 220, 242

Trichromacy



Original Color

155, 235, 191



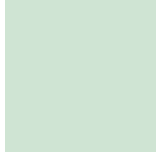
Protanomaly

152, 227, 153



Deuteranomaly

185, 235, 170



Tritanomaly

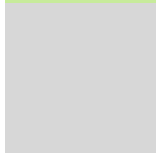
207, 225, 228

Monochromacy



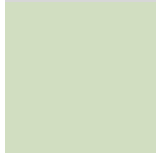
Original Color

155, 235, 191



Achromatopsia

215, 215, 215



Achromatomaly

193, 222, 206

CSS Examples

Text

The CSS property to change the color of the text to RYB 155, 235, 191 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(199, 235, 155)` looks like.

```
.text, #text, p{  
    color:rgb(199, 235, 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(199, 235, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 235, 155) }
```

Border

The CSS property to change the border of an element to RYB 155, 235, 191 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(199, 235, 155) }
```

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

```
.border{ border-color:rgb(199, 235, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 235, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 235, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 235, 155);  
box-shadow:4px 4px 4px 4px rgb(199, 235,  
155) }
```

Background

The CSS property to change the background color of an element to RYB 155, 235, 191 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 235, 155) }
```

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

```
.background{ background-color: rgb(199,  
235, 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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