

Converting Colors

`RYB(135, 236, 198)`

Have a look what the booklet for
RYB(135, 236, 198) contains.

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Color

R_YB(135, 236, 198)

Conversions

Conversions Part 1

Format	Color
Hex	ADEC87
RGB	173, 236, 135
RGB Percent	68%, 93%, 53%
CMY	0.3216, 0.0745, 0.4706
CMYK	0.27, 0.00, 0.43, 0.07
HSL	97°, 73%, 73%
HSV	97°, 43%, 93%
XYZ	51.6022, 70.6244, 33.8338
YIQ	205.6490, -5.1270, -44.7670

Conversions

Conversions Part 2

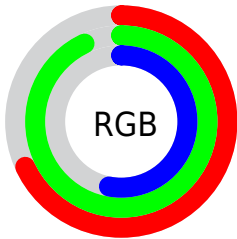
Format	Color
RYB	135, 236, 198
Decimal	11398279
CIELab	87.30, -37.37, 42.64
CIELCh	87, 56.703, 131.234
Yxy	70.6244, 0.3307, 0.4525
Android (android.graphics.Color)	4289588359 (0xFFADEC87)
YUV	205.6490, -34.8300, -28.6332
Hunter-Lab	84.0383, -37.4624, 34.9567

Details

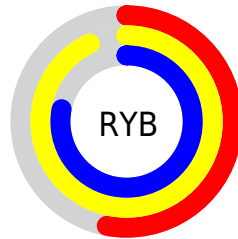
The RYB color **135, 236, 198** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **198, 135, 236**, and the grayscale version is **206, 206, 206**.

A 20% lighter version of the original color is **190, 255, 215**, and **83, 180, 145** is the 20% darker color. If you saturate the color by 10%, you get **111, 236, 189**, and if you desaturate by 10%, it is **159, 236, 207**.

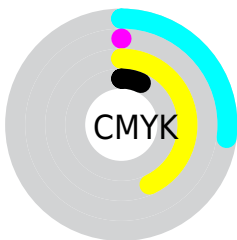
Distribution



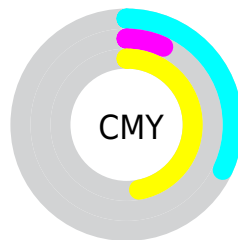
- Red (68%)
- Green (93%)
- Blue (53%)



- Red (53%)
- Yellow (93%)
- Blue (78%)



- Cyan (27%)
- Magenta (0%)
- Yellow (43%)
- Black (7%)



- Cyan (32%)
- Magenta (7%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the RYB color 135, 236, 198 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 135, 236, 198 by changing the saturation by 10% instead.

 135, 236, 198

255, 255, 255


 190, 255, 215


 218, 255, 218


 247, 255, 247

 135, 236, 198

 109, 208, 172

 83, 180, 145


 58, 153, 120

 32, 126, 94

 1, 101, 65

 0, 76, 75


 0, 53, 53

 0, 33, 33

 0, 0, 0

 135, 236, 198

 135, 236, 198

 111, 236, 189

 159, 236, 207

 88, 236, 180

 182, 236, 216

 64, 236, 171

 206, 236, 225

 41, 236, 163

 229, 236, 233

 17, 236, 154

 247, 236, 253

 0, 236, 147

 255, 236, 255

Harmonies

Analogous

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



121, 232, 110



135, 236, 198



96, 190, 244

Triad

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



135, 236, 198



0, 122, 255



255, 174, 200

Complementary

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



135, 236, 198



198, 135, 236

Split Complementary

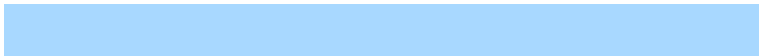
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



255, 179, 255



135, 236, 198



168, 199, 255

Square

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



135, 236, 198



0, 124, 255



250, 197, 255



255, 203, 150

Rectangle

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



135, 236, 198



0, 130, 246



250, 197, 255



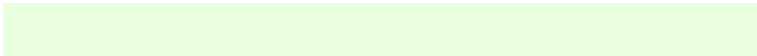
255, 174, 219

Sweetspot

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



135, 236, 198



222, 255, 243



199, 236, 135



107, 128, 120



0, 0, 0



128, 128, 128

Same Dimension

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



135, 236, 198



125, 255, 206



135, 225, 236



106, 117, 113



0, 181, 113



0, 54, 34

Inverse Universe

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



198, 135, 236



206, 125, 255



236, 135, 224



113, 106, 117



113, 0, 181



33, 0, 54

Previews

White Background



This preview shows how the RYB color 135, 236, 198 looks on a white background.

Color Contrast Check

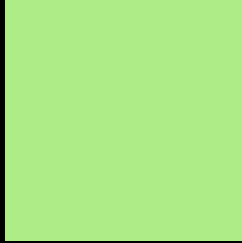
Large Text (above 18pt) WCAG AA × Fail

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 135, 236, 198 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 135, 236, 198 Background



This preview shows how black text looks on a background with the RYB color 135, 236, 198.

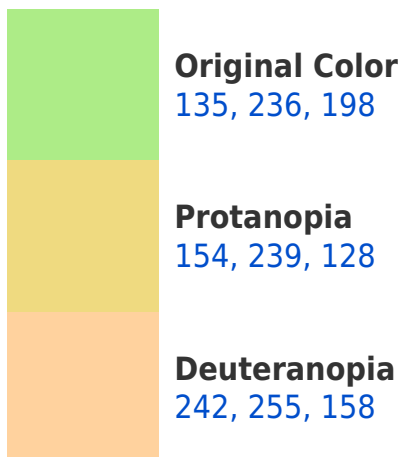


This preview shows how white text looks on a background with the RYB color 135, 236, 198.

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
190, 210, 241

Trichromacy



Original Color

135, 236, 198



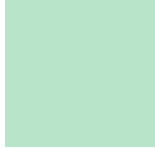
Protanomaly

131, 225, 141



Deuteranomaly

157, 225, 150



Tritanomaly

184, 215, 228

Monochromacy



Original Color

135, 236, 198



Achromatopsia

206, 206, 206



Achromatomaly

180, 217, 203

CSS Examples

Text

The CSS property to change the color of the text to RYB 135, 236, 198 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(173, 236, 135)` looks like.

```
.text, #text, p{  
    color:rgb(173, 236, 135)  
}
```

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(173, 236, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 236, 135) }
```

Border

The CSS property to change the border of an element to RYB 135, 236, 198 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(173, 236, 135) }
```

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

```
.border{ border-color:rgb(173, 236, 135) }
```

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

Here you see how a box with a 4 pixel rgb(173, 236, 135) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 236, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 236, 135);  
box-shadow:4px 4px 4px 4px rgb(173, 236,  
135) }
```

Background

The CSS property to change the background color of an element to RYB 135, 236, 198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 236, 135) }
```

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

```
.background{ background-color: rgb(173,  
236, 135) }
```

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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