

Converting Colors

`RYB(135, 222, 198)`

Have a look what the booklet for
RYB(135, 222, 198) contains.

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Color

R_YB(135, 222, 198)

Conversions

Conversions Part 1

Format	Color
Hex	9FDE87
RGB	159, 222, 135
RGB Percent	62%, 87%, 53%
CMY	0.3765, 0.1294, 0.4706
CMYK	0.28, 0.00, 0.39, 0.13
HSL	103°, 57%, 70%
HSV	103°, 39%, 87%
XYZ	44.7925, 61.3628, 32.4051
YIQ	193.2450, -9.6210, -40.4130

Conversions

Conversions Part 2

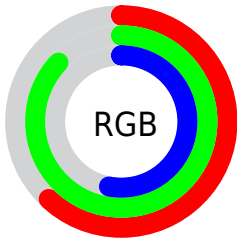
Format	Color
RYB	135, 222, 198
Decimal	10477191
CIELab	82.57, -35.79, 36.42
CIELCh	83, 51.063, 134.495
Yxy	61.3628, 0.3233, 0.4429
Android (android.graphics.Color)	4288667271 (0xFF9FDE87)
YUV	193.2450, -28.7148, -30.0329
Hunter-Lab	78.3344, -35.0168, 30.3072

Details

The RYB color **135, 222, 198** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **198, 135, 222**, and the grayscale version is **194, 194, 194**.

A 20% lighter version of the original color is **189, 255, 229**, and **84, 166, 145** is the 20% darker color. If you saturate the color by 10%, you get **113, 222, 192**, and if you desaturate by 10%, it is **157, 222, 204**.

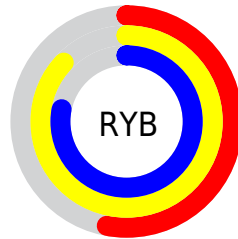
Distribution



Red (62%)

Green (87%)

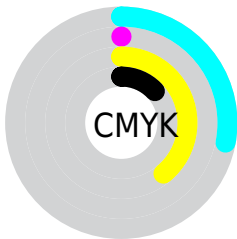
Blue (53%)



Red (53%)

Yellow (87%)

Blue (78%)

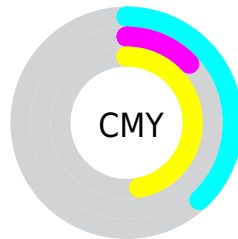


Cyan (28%)

Magenta (0%)

Yellow (39%)

Black (13%)



Cyan (38%)

Magenta (13%)

Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the RYB color 135, 222, 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, 222, 198 by changing the saturation by 10% instead.


 135, 222, 198

 135, 222, 198

255, 255, 255

 109, 194, 171

 189, 255, 229

 84, 166, 145

 217, 255, 228

 59, 140, 120


 246, 255, 246

 35, 114, 97

 8, 89, 74

 0, 65, 65

 0, 43, 43

 0, 16, 16

 0, 0, 0

 135, 222, 198

 135, 222, 198

 113, 222, 192

 157, 222, 204

 91, 222, 186

 179, 222, 210

 68, 222, 179

 202, 222, 217

 46, 222, 173

 223, 222, 224

 24, 222, 167

 239, 222, 246

 2, 222, 161

 255, 222, 255

 0, 222, 161

Harmonies

Analogous

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



113, 213, 110



135, 222, 198



91, 176, 229

Triad

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



135, 222, 198



67, 151, 255



255, 167, 184

Complementary

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



135, 222, 198



198, 135, 222

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, 170, 232



135, 222, 198



171, 194, 255

Square

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



135, 222, 198



0, 120, 255



240, 184, 255



255, 195, 140

Rectangle

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



135, 222, 198



0, 121, 231



240, 184, 255



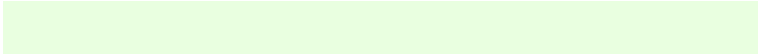
255, 166, 200

Sweetspot

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



135, 222, 198



224, 255, 246



170, 222, 135



110, 128, 123



0, 0, 0



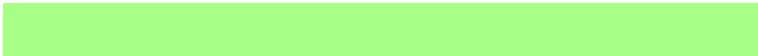
128, 128, 128

Same Dimension

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



135, 222, 198



135, 255, 222



135, 206, 222



101, 112, 109



0, 176, 127



0, 48, 35

Inverse Universe

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



198, 135, 222



222, 135, 255



222, 135, 203



109, 101, 112



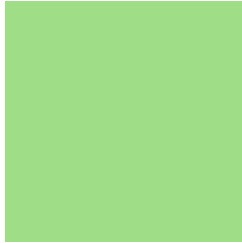
127, 0, 176



35, 0, 48

Previews

White Background



This preview shows how the RYB color 135, 222, 198 looks on a white background.

Color Contrast Check

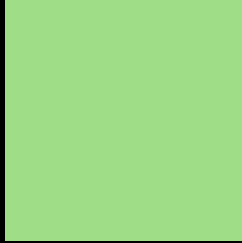
Large Text (above 18pt) WCAG AA × Fail

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, 222, 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, 222, 198 Background



This preview shows how black text looks on a background with the RYB color 135, 222, 198.



This preview shows how white text looks on a background with the RYB color 135, 222, 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](#).

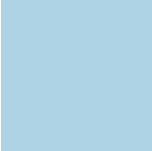
Dichromacy



Original Color
135, 222, 198

Protanopia
150, 223, 128

Deuteranopia
231, 244, 141



Tritanopia
174, 196, 228

Trichromacy



Original Color

135, 222, 198



Protanomaly

131, 211, 142



Deuteranomaly

148, 213, 139



Tritanomaly

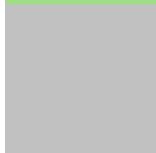
169, 199, 215

Monochromacy



Original Color

135, 222, 198



Achromatopsia

193, 193, 193



Achromatomaly

172, 204, 195

CSS Examples

Text

The CSS property to change the color of the text to RYB 135, 222, 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(159, 222, 135)` looks like.

```
.text, #text, p{  
    color:rgb(159, 222, 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(159, 222, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 222, 135) }
```

Border

The CSS property to change the border of an element to RYB 135, 222, 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(159, 222, 135) }
```

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

```
.border{ border-color:rgb(159, 222, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 222, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(159, 222, 135); -webkit-box-shadow:4px 4px 4px 4px rgb(159, 222, 135); box-shadow:4px 4px 4px 4px rgb(159, 222, 135) }
```

Background

The CSS property to change the background color of an element to RYB 135, 222, 198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 222, 135) }
```

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

```
.background{ background-color: rgb(159,  
222, 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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