

Converting Colors

`RYB(135, 212, 214)`

Have a look what the booklet for
RYB(135, 212, 214) contains.

RYB(135, 212, 214)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(135, 212, 214)

Conversions

Conversions Part 1

Format	Color
Hex	87D689
RGB	135, 214, 137
RGB Percent	53%, 84%, 54%
CMY	0.4706, 0.1608, 0.4625
CMYK	0.37, 0.00, 0.36, 0.16
HSL	122°, 49%, 68%
HSV	122°, 37%, 84%
XYZ	38.5573, 55.0517, 32.2803
YIQ	181.6010, -22.3670, -40.6950

Conversions

Conversions Part 2

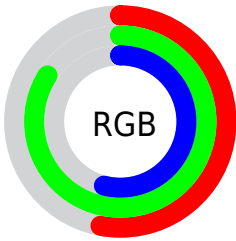
Format	Color
RYB	135, 212, 214
Decimal	8902281
CIELab	79.07, -39.65, 30.56
CIELCh	79, 50.062, 142.383
Yxy	55.0517, 0.3063, 0.4373
Android (android.graphics.Color)	4287092361 (0xFF87D689)
YUV	181.6010, -21.9883, -40.8691
Hunter-Lab	74.1968, -37.0846, 26.1429

Details

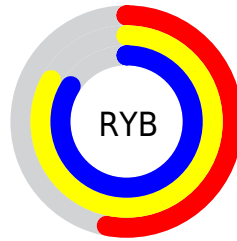
The RYB color **135, 212, 214** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **214, 135, 212**, and the grayscale version is **182, 182, 182**.

A 20% lighter version of the original color is **191, 255, 255**, and **81, 154, 159** is the 20% darker color. If you saturate the color by 10%, you get **114, 212, 214**, and if you desaturate by 10%, it is **156, 212, 214**.

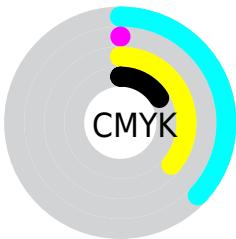
Distribution



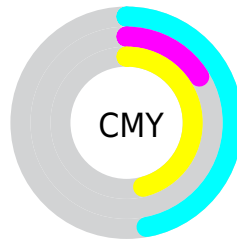
- Red (53%)
- Green (84%)
- Blue (54%)



- Red (53%)
- Yellow (83%)
- Blue (84%)



- Cyan (37%)
- Magenta (0%)
- Yellow (36%)
- Black (16%)



- Cyan (47%)
- Magenta (16%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the RYB color 135, 212, 214 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, 212, 214 by changing the saturation by 10% instead.

 135, 212, 214

255, 255, 255


 191, 255, 255


 219, 255, 254

 248, 255, 254

 135, 212, 214

 108, 183, 186

 81, 154, 159

 53, 124, 132

 22, 92, 106

 0, 69, 82

 0, 58, 58

 0, 37, 37

 0, 0, 0

 135, 212, 214

 135, 212, 214

■ 114, 212, 214

■ 156, 212, 214

■ 92, 211, 214

■ 178, 213, 214

■ 71, 210, 214

■ 199, 213, 214

■ 49, 209, 214

■ 221, 214, 220

■ 28, 209, 214

■ 242, 214, 241

■ 7, 209, 214

■ 255, 214, 255

■ 0, 208, 214

Harmonies

Analogous

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



107, 204, 121



135, 212, 214



57, 148, 219

Triad

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



135, 212, 214



92, 158, 255



255, 160, 163

Complementary

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



135, 212, 214



214, 135, 212

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, 159, 210



135, 212, 214



182, 188, 255

Square

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



135, 212, 214



0, 117, 255



242, 171, 253



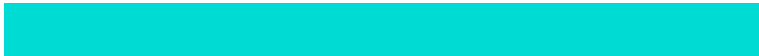
255, 200, 124

Rectangle

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



135, 212, 214



0, 112, 220



242, 171, 253



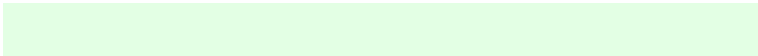
255, 158, 178

Sweetspot

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



135, 212, 214



227, 254, 255



135, 214, 136



111, 128, 128



0, 0, 0



128, 128, 128

Same Dimension

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



135, 212, 214



143, 252, 255



135, 187, 214



96, 106, 107



0, 167, 171



0, 42, 43

Inverse Universe

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



214, 135, 212



255, 143, 252



214, 135, 173



107, 96, 107



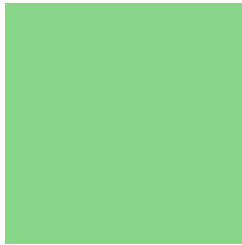
171, 0, 166



43, 0, 42

Previews

White Background



This preview shows how the RYB color 135, 212, 214 looks on a white background.

Color Contrast Check

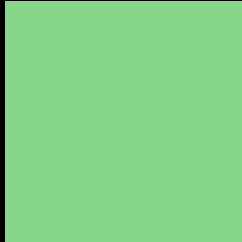
Large Text (above 18pt) WCAG AA × Fail

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, 212, 214 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](#).

RYP 135, 212, 214 Background



This preview shows how black text looks on a background with the RYP color 135, 212, 214.

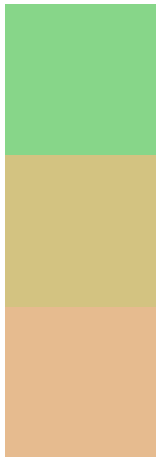


This preview shows how white text looks on a background with the RYP color 135, 212, 214.

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](#).

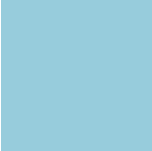
Dichromacy



Original Color
135, 212, 214

Protanopia
149, 211, 129

Deuteranopia
228, 230, 143



Tritanopia
151, 181, 220

Trichromacy



Original Color

135, 212, 214



Protanomaly

132, 202, 151



Deuteranomaly

141, 197, 143



Tritanomaly

145, 182, 208

Monochromacy



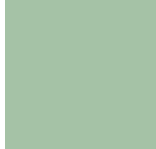
Original Color

135, 212, 214



Achromatopsia

182, 182, 182



Achromatomaly

165, 193, 194

CSS Examples

Text

The CSS property to change the color of the text to RYB 135, 212, 214 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(135, 214, 137)` looks like.

```
.text, #text, p{  
    color:rgb(135, 214, 137)  
}
```

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(135, 214, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 214, 137) }
```

Border

The CSS property to change the border of an element to RYB 135, 212, 214 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(135, 214, 137) }
```

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

```
.border{ border-color:rgb(135, 214, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 214, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 214, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 214, 137);  
box-shadow:4px 4px 4px 4px rgb(135, 214,  
137) }
```

Background

The CSS property to change the background color of an element to RYB 135, 212, 214 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 214, 137) }
```

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

```
.background{ background-color: rgb(135,  
214, 137) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor