

Converting Colors

`RYB(135, 214, 245)`

Have a look what the booklet for
RYB(135, 214, 245) contains.

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Color

`RYB(135, 214, 245)`

Conversions

Conversions Part 1

Format	Color
Hex	87F5B2
RGB	135, 245, 178
RGB Percent	53%, 96%, 70%
CMY	0.4706, 0.0392, 0.3013
CMYK	0.45, 0.00, 0.27, 0.04
HSL	144°, 85%, 75%
HSV	144°, 45%, 96%
XYZ	50.6965, 73.6767, 53.7552
YIQ	204.4720, -44.0530, -44.1570

Conversions

Conversions Part 2

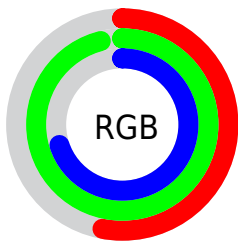
Format	Color
RYB	135, 214, 245
Decimal	8910258
CIELab	88.77, -46.10, 22.57
CIELCh	89, 51.327, 153.917
Yxy	73.6767, 0.2846, 0.4136
Android (android.graphics.Color)	4287100338 (0xFF87F5B2)
YUV	204.4720, -13.0507, -60.9269
Hunter-Lab	85.8351, -44.7846, 22.9536

Details

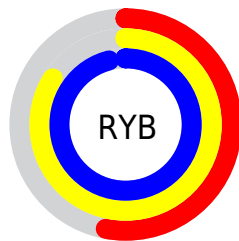
The RYB color **135, 214, 245** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **245, 135, 202**, and the grayscale version is **205, 205, 205**.

A 20% lighter version of the original color is **193, 230, 255**, and **77, 154, 188** is the 20% darker color. If you saturate the color by 10%, you get **110, 207, 245**, and if you desaturate by 10%, it is **160, 221, 245**.

Distribution



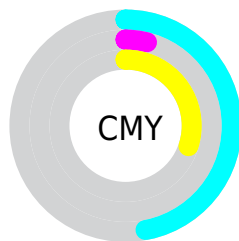
- Red (53%)
- Green (96%)
- Blue (70%)



- Red (53%)
- Yellow (84%)
- Blue (96%)



- Cyan (45%)
- Magenta (0%)
- Yellow (27%)
- Black (4%)



- Cyan (47%)
- Magenta (4%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the RYB color 135, 214, 245 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, 214, 245 by changing the saturation by 10% instead.


 135, 214, 245

 135, 214, 245


255, 255, 255

 106, 184, 216

 193, 230, 255

 77, 154, 188


 222, 239, 255

 45, 123, 160


 252, 254, 255

 0, 86, 134

 0, 73, 108

 0, 60, 82

 0, 52, 58

 0, 37, 37

 0, 0, 0

 135, 214, 245


 135, 214, 245

 110, 207, 245


 160, 221, 245

 86, 200, 245


 184, 228, 245

 62, 193, 245

 209, 235, 245

 37, 186, 245

 233, 241, 245

 13, 180, 245

 255, 245, 253

 0, 176, 245

 255, 245, 255

Harmonies

Analogous

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



139, 236, 179



135, 214, 245



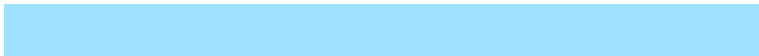
44, 152, 249

Triad

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



135, 214, 245



159, 198, 255



255, 196, 171

Complementary

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



135, 214, 245



245, 135, 202

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, 184, 218



135, 214, 245



236, 208, 255

Square

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



135, 214, 245



41, 144, 255



255, 191, 255



222, 255, 136

Rectangle

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



135, 214, 245



0, 126, 255



255, 191, 255



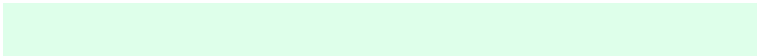
255, 186, 186

Sweetspot

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



135, 214, 245



222, 246, 255



135, 245, 177



107, 122, 128



0, 0, 0



128, 128, 128

Same Dimension

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



135, 214, 245



117, 216, 255



135, 193, 245



110, 118, 122



0, 134, 186



0, 42, 59

Inverse Universe

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



245, 135, 202



255, 117, 201



245, 135, 148



122, 110, 118



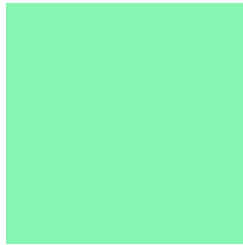
186, 0, 113



59, 0, 36

Previews

White Background



This preview shows how the RYB color 135, 214, 245 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, 214, 245 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, 214, 245 Background



This preview shows how black text looks on a background with the RYB color 135, 214, 245.

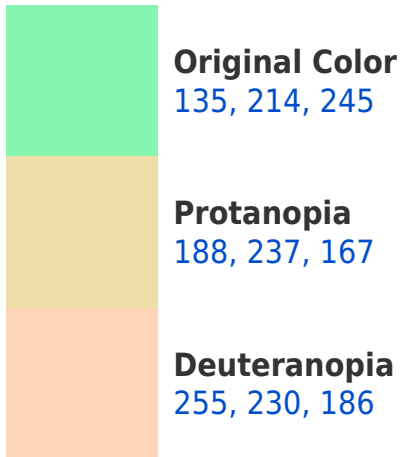



This preview shows how white text looks on a background with the RYB color 135, 214, 245.

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





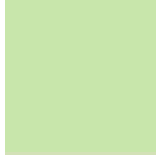
Tritanopia
153, 198, 254

Trichromacy



Original Color

135, 214, 245



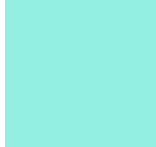
Protanomaly

171, 230, 201



Deuteranomaly

183, 225, 197



Tritanomaly

146, 196, 239

Monochromacy



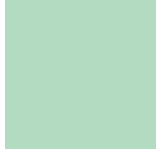
Original Color

135, 214, 245



Achromatopsia

204, 204, 204



Achromatomaly

179, 208, 219

CSS Examples

Text

The CSS property to change the color of the text to RYB 135, 214, 245 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, 245, 178)` looks like.

```
.text, #text, p{  
    color:rgb(135, 245, 178)  
}
```

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, 245, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 245, 178) }
```

Border

The CSS property to change the border of an element to RYB 135, 214, 245 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, 245, 178) }
```

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

```
.border{ border-color:rgb(135, 245, 178) }
```

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

Here you see how a box with a 4 pixel rgb(135, 245, 178) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 245, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 245, 178);  
box-shadow:4px 4px 4px 4px rgb(135, 245,  
178) }
```

Background

The CSS property to change the background color of an element to RYB 135, 214, 245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 245, 178) }
```

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

```
.background{ background-color: rgb(135,  
245, 178) }
```

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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