

Converting Colors

`RYB(135, 201, 222)`

Have a look what the booklet for
RYB(135, 201, 222) contains.

RYB(135, 201, 222)	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, 201, 222)

Conversions

Conversions Part 1

Format	Color
Hex	87DEA3
RGB	135, 222, 163
RGB Percent	53%, 87%, 64%
CMY	0.4706, 0.1294, 0.3620
CMYK	0.39, 0.00, 0.27, 0.13
HSL	139°, 57%, 70%
HSV	139°, 39%, 87%
XYZ	42.6953, 60.0264, 43.8370
YIQ	189.2610, -32.9130, -36.7930

Conversions

Conversions Part 2

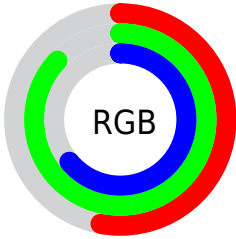
Format	Color
RYB	135, 201, 222
Decimal	8904355
CIELab	81.85, -38.85, 21.03
CIElCh	82, 44.177, 151.572
Yxy	60.0264, 0.2913, 0.4096
Android (android.graphics.Color)	4287094435 (0xFF87DEA3)
YUV	189.2610, -12.9467, -47.5869
Hunter-Lab	77.4767, -37.2177, 20.6869

Details

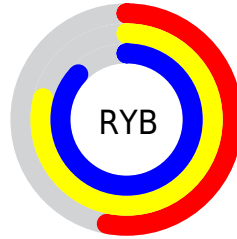
The RYB color **135, 201, 222** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **222, 135, 194**, and the grayscale version is **189, 189, 189**.

A 20% lighter version of the original color is **191, 236, 255**, and **80, 143, 166** is the 20% darker color. If you saturate the color by 10%, you get **113, 196, 222**, and if you desaturate by 10%, it is **157, 206, 222**.

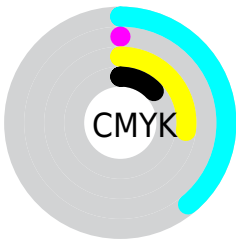
Distribution



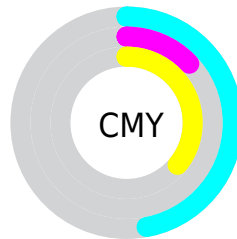
- Red (53%)
- Green (87%)
- Blue (64%)



- Red (53%)
- Yellow (79%)
- Blue (87%)



- Cyan (39%)
- Magenta (0%)
- Yellow (27%)
- Black (13%)



- Cyan (47%)
- Magenta (13%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the RYB color 135, 201, 222 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, 201, 222 by changing the saturation by 10% instead.


 135, 201, 222

 135, 201, 222


255, 255, 255

 108, 173, 194


 191, 236, 255

 80, 143, 166

 220, 240, 255

 52, 115, 140


 249, 252, 255

 18, 84, 114

 0, 61, 88

 0, 50, 64


 0, 42, 42

 0, 12, 12


 0, 0, 0

 135, 201, 222


 135, 201, 222

 113, 196, 222


 157, 206, 222

 91, 191, 222


 179, 211, 222

 68, 185, 222

 202, 217, 222

 46, 180, 222


 224, 222, 223

 24, 174, 222

 246, 222, 238

 2, 169, 222

 255, 222, 254

 0, 168, 222

 255, 222, 255

Harmonies

Analogous

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



131, 214, 160



135, 201, 222



75, 156, 226

Triad

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



135, 201, 222



146, 185, 255



255, 177, 162

Complementary

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



135, 201, 222



222, 135, 194

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, 171, 203



135, 201, 222



211, 192, 255

Square

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



135, 201, 222



67, 151, 255



255, 178, 244



255, 231, 132

Rectangle

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



135, 201, 222



21, 125, 233



255, 178, 244



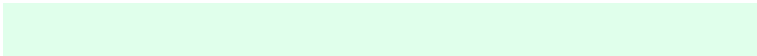
255, 173, 175

Sweetspot

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



135, 201, 222



224, 247, 255



135, 222, 163



110, 124, 128



0, 0, 0



128, 128, 128

Same Dimension

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



135, 201, 222



135, 226, 255



135, 183, 222



101, 109, 112



0, 134, 176



0, 37, 48

Inverse Universe

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



222, 135, 194



255, 135, 217



222, 135, 151



112, 101, 109



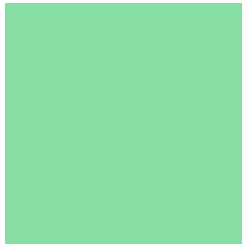
176, 0, 120



48, 0, 33

Previews

White Background



This preview shows how the RYB color 135, 201, 222 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, 201, 222 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, 201, 222 Background



This preview shows how black text looks on a background with the RYB color 135, 201, 222.

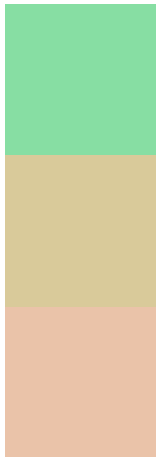


This preview shows how white text looks on a background with the RYB color 135, 201, 222.

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](#).

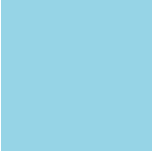
Dichromacy



Original Color
135, 201, 222

Protanopia
174, 217, 154

Deuteranopia
234, 212, 169



Tritanopia
150, 185, 230

Trichromacy



Original Color

135, 201, 222



Protanomaly

157, 209, 179



Deuteranomaly

167, 205, 174



Tritanomaly

145, 183, 216

Monochromacy



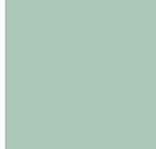
Original Color

135, 201, 222



Achromatopsia

189, 189, 189



Achromatomaly

169, 193, 201

CSS Examples

Text

The CSS property to change the color of the text to RYB 135, 201, 222 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, 222, 163)` looks like.

```
.text, #text, p{  
    color:rgb(135, 222, 163)  
}
```

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, 222, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 222, 163) }
```

Border

The CSS property to change the border of an element to RYB 135, 201, 222 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, 222, 163) }
```

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

```
.border{ border-color:rgb(135, 222, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 222, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 222, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 222, 163);  
box-shadow:4px 4px 4px 4px rgb(135, 222,  
163) }
```

Background

The CSS property to change the background color of an element to RYB 135, 201, 222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 222, 163) }
```

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

```
.background{ background-color: rgb(135,  
222, 163) }
```

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