

Converting Colors

`RYB(135, 203, 224)`

Have a look what the booklet for
RYB(135, 203, 224) contains.

RYB(135, 203, 224)	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, 203, 224)

Conversions

Conversions Part 1

Format	Color
Hex	87E0A2
RGB	135, 224, 162
RGB Percent	53%, 88%, 64%
CMY	0.4706, 0.1216, 0.3628
CMYK	0.40, 0.00, 0.27, 0.12
HSL	139°, 59%, 70%
HSV	139°, 40%, 88%
XYZ	43.2122, 61.0881, 43.9227
YIQ	190.3210, -33.1420, -38.1500

Conversions

Conversions Part 2

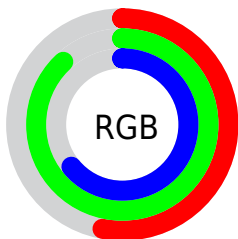
Format	Color
RYB	135, 203, 224
Decimal	8904866
CIELab	82.43, -39.78, 21.92
CIElCh	82, 45.424, 151.142
Yxy	61.0881, 0.2915, 0.4121
Android (android.graphics.Color)	4287094946 (0xFF87E0A2)
YUV	190.3210, -13.9623, -48.5165
Hunter-Lab	78.1589, -38.0898, 21.3922

Details

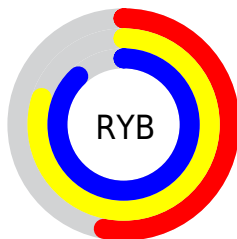
The RYB color **135, 203, 224** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **224, 135, 197**, and the grayscale version is **191, 191, 191**.

A 20% lighter version of the original color is **191, 237, 255**, and **80, 146, 168** is the 20% darker color. If you saturate the color by 10%, you get **113, 198, 224**, and if you desaturate by 10%, it is **157, 208, 224**.

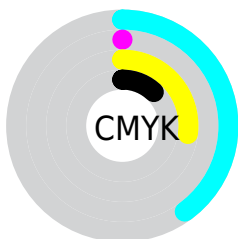
Distribution



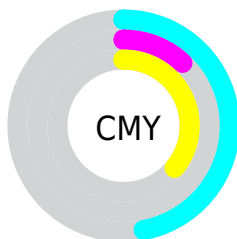
- Red (53%)
- Green (88%)
- Blue (64%)



- Red (53%)
- Yellow (80%)
- Blue (88%)



- Cyan (40%)
- Magenta (0%)
- Yellow (27%)
- Black (12%)



- Cyan (47%)
- Magenta (12%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the RYB color 135, 203, 224 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, 203, 224 by changing the saturation by 10% instead.


 135, 203, 224

 135, 203, 224


255, 255, 255

 107, 174, 196

 191, 236, 255

 80, 146, 168

 220, 240, 255

 51, 116, 141


 250, 253, 255

 16, 84, 115

 0, 62, 90

 0, 52, 66


 0, 43, 43

 0, 16, 16


 0, 0, 0

 135, 203, 224


 135, 203, 224

 113, 198, 224


 157, 208, 224

 90, 192, 224


 180, 214, 224

 68, 187, 224

 202, 219, 224

 45, 181, 224

 225, 224, 224

 23, 177, 224

 247, 224, 240

 1, 171, 224

 255, 224, 255

 0, 171, 224

Harmonies

Analogous

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



130, 216, 159



135, 203, 224



71, 156, 228

Triad

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



135, 203, 224



144, 185, 255



255, 178, 163

Complementary

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



135, 203, 224



224, 135, 197

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, 205



135, 203, 224



212, 193, 255

Square

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



135, 203, 224



58, 147, 255



255, 179, 247



255, 236, 131

Rectangle

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



135, 203, 224



0, 115, 234



255, 179, 247



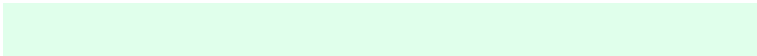
255, 173, 176

Sweetspot

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



135, 203, 224



224, 247, 255



135, 224, 162



110, 124, 128



0, 0, 0



128, 128, 128

Same Dimension

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



135, 203, 224



133, 227, 255



135, 185, 224



101, 110, 112



0, 135, 176



0, 37, 48

Inverse Universe

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



224, 135, 197



255, 133, 217



224, 135, 153



112, 101, 109



176, 0, 122



48, 0, 33

Previews

White Background



This preview shows how the RYB color 135, 203, 224 looks on a white background.

Color Contrast Check

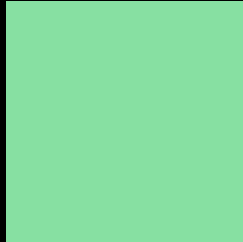
Large Text (above 18pt) WCAG AA × Fail

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, 203, 224 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, 203, 224 Background



This preview shows how black text looks on a background with the RYB color 135, 203, 224.

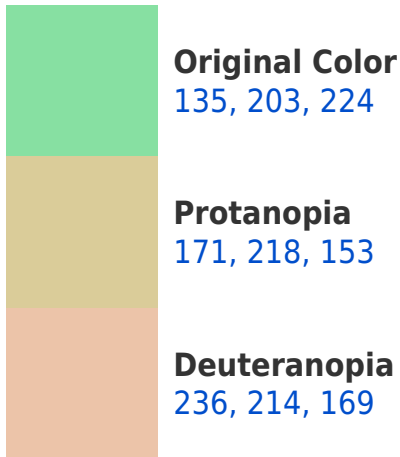


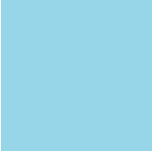
This preview shows how white text looks on a background with the RYB color 135, 203, 224.

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
150, 186, 232

Trichromacy



Original Color

135, 203, 224



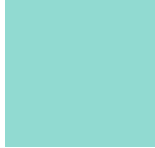
Protanomaly

156, 211, 179



Deuteranomaly

167, 206, 174



Tritanomaly

145, 184, 218

Monochromacy



Original Color

135, 203, 224



Achromatopsia

190, 190, 190



Achromatomaly

170, 194, 202

CSS Examples

Text

The CSS property to change the color of the text to RYB 135, 203, 224 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, 224, 162)` looks like.

```
.text, #text, p{  
    color:rgb(135, 224, 162)  
}
```

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, 224, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 224, 162) }
```

Border

The CSS property to change the border of an element to RYB 135, 203, 224 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, 224, 162) }
```

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

```
.border{ border-color:rgb(135, 224, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 224, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 224, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 224, 162);  
box-shadow:4px 4px 4px 4px rgb(135, 224,  
162) }
```

Background

The CSS property to change the background color of an element to RYB 135, 203, 224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 224, 162) }
```

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

```
.background{ background-color: rgb(135,  
224, 162) }
```

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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