

Converting Colors

`RYB(123, 209, 234)`

Have a look what the booklet for
RYB(123, 209, 234) contains.

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Color

R_YB(123, 209, 234)

Conversions

Conversions Part 1

Format	Color
Hex	7BEA9B
RGB	123, 234, 155
RGB Percent	48%, 92%, 61%
CMY	0.5176, 0.0824, 0.3911
CMYK	0.47, 0.00, 0.34, 0.08
HSL	137°, 73%, 70%
HSV	137°, 47%, 92%
XYZ	43.5301, 65.4321, 41.4636
YIQ	191.8050, -40.7970, -48.1010

Conversions

Conversions Part 2

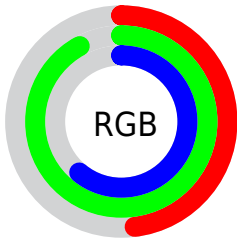
Format	Color
RYB	123, 209, 234
Decimal	8120987
CIELab	84.71, -48.67, 28.67
CIElCh	85, 56.484, 149.503
Yxy	65.4321, 0.2894, 0.4350
Android (android.graphics.Color)	4286311067 (0xFF7BEA9B)
YUV	191.8050, -18.1449, -60.3420
Hunter-Lab	80.8901, -45.5001, 26.2315

Details

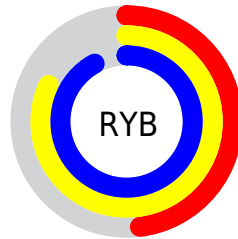
The RYB color **123, 209, 234** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **234, 123, 202**, and the grayscale version is **192, 192, 192**.

A 20% lighter version of the original color is **181, 234, 255**, and **64, 148, 177** is the 20% darker color. If you saturate the color by 10%, you get **100, 204, 234**, and if you desaturate by 10%, it is **146, 214, 234**.

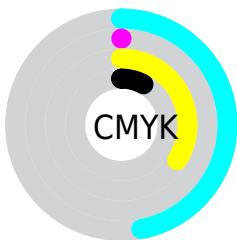
Distribution



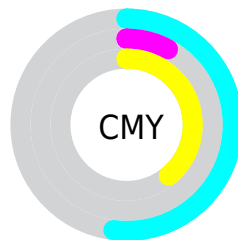
- Red (48%)
- Green (92%)
- Blue (61%)



- Red (48%)
- Yellow (82%)
- Blue (92%)



- Cyan (47%)
- Magenta (0%)
- Yellow (34%)
- Black (8%)



- Cyan (52%)
- Magenta (8%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the RYB color 123, 209, 234 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 123, 209, 234 by changing the saturation by 10% instead.

 123, 209, 234


255, 255, 255


 181, 234, 255


 210, 237, 255

 240, 248, 255

 123, 209, 234

 94, 178, 205

 64, 148, 177

 27, 113, 150

 0, 86, 124

 0, 74, 98

 0, 66, 73

 0, 50, 50

 0, 25, 25


 0, 0, 0

 123, 209, 234


 123, 209, 234

 100, 204, 234

 146, 214, 234

 76, 198, 234

 170, 220, 234

 53, 194, 234

 193, 225, 234

 29, 188, 234

 217, 230, 234

 6, 183, 234

 240, 234, 238

 0, 181, 234

 255, 234, 255

Harmonies

Analogous

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



115, 224, 149



123, 209, 234



0, 128, 239

Triad

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



123, 209, 234



116, 174, 255



255, 173, 162

Complementary

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



123, 209, 234



234, 123, 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, 167, 214



123, 209, 234



214, 198, 255

Square

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



123, 209, 234



0, 121, 255



255, 178, 255



249, 255, 120

Rectangle

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



123, 209, 234



0, 121, 245



255, 178, 255



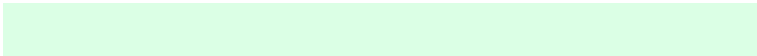
255, 169, 179

Sweetspot

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



123, 209, 234



219, 247, 255



123, 234, 154



106, 123, 128



0, 0, 0



128, 128, 128

Same Dimension

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



123, 209, 234



110, 222, 255



123, 185, 234



106, 115, 117



0, 140, 181



0, 42, 54

Inverse Universe

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



234, 123, 202



255, 110, 213



234, 123, 147



117, 106, 114



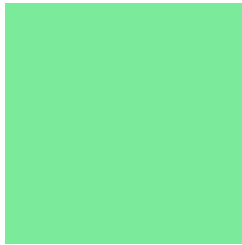
181, 0, 128



54, 0, 38

Previews

White Background



This preview shows how the RYB color 123, 209, 234 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 123, 209, 234 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

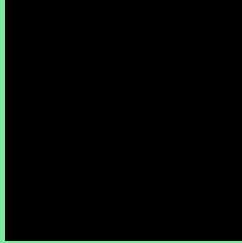
Any Text WCAG AA ✓ Pass

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 123, 209, 234 Background



This preview shows how black text looks on a background with the RYB color 123, 209, 234.

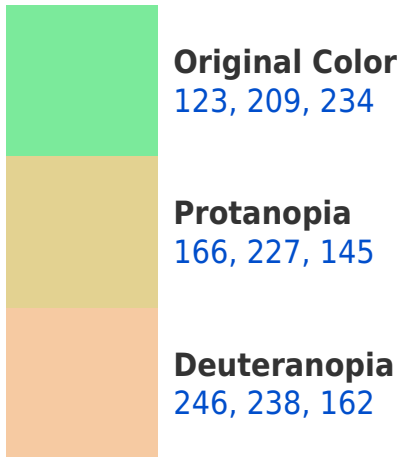


This preview shows how white text looks on a background with the RYB color 123, 209, 234.

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
143, 187, 241

Trichromacy



Original Color

123, 209, 234



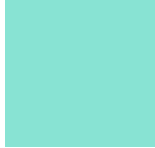
Protanomaly

149, 219, 179



Deuteranomaly

160, 214, 173



Tritanomaly

136, 186, 227

Monochromacy



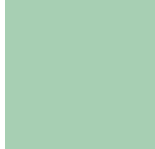
Original Color

123, 209, 234



Achromatopsia

192, 192, 192



Achromatomaly

167, 198, 207

CSS Examples

Text

The CSS property to change the color of the text to RYB 123, 209, 234 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(123, 234, 155)` looks like.

```
.text, #text, p{  
    color:rgb(123, 234, 155)  
}
```

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(123, 234, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 234, 155) }
```

Border

The CSS property to change the border of an element to RYB 123, 209, 234 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(123, 234, 155) }
```

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

```
.border{ border-color:rgb(123, 234, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 234, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(123, 234, 155); -webkit-box-shadow:4px 4px 4px 4px rgb(123, 234, 155); box-shadow:4px 4px 4px 4px rgb(123, 234, 155) }
```

Background

The CSS property to change the background color of an element to RYB 123, 209, 234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 234, 155) }
```

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

```
.background{ background-color: rgb(123,  
234, 155) }
```

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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