

Converting Colors

`RYB(150, 209, 234)`

Have a look what the booklet for
RYB(150, 209, 234) contains.

RYB(150, 209, 234)	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(150, 209, 234)

Conversions

Conversions Part 1

Format	Color
Hex	96EABA
RGB	150, 234, 186
RGB Percent	59%, 92%, 73%
CMY	0.4118, 0.0824, 0.2722
CMYK	0.36, 0.00, 0.21, 0.08
HSL	145°, 67%, 75%
HSV	145°, 36%, 92%
XYZ	50.8202, 68.8576, 56.8403
YIQ	203.4120, -34.6560, -32.7360

Conversions

Conversions Part 2

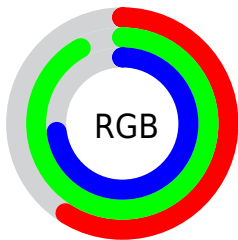
Format	Color
RYB	150, 209, 234
Decimal	9890490
CIELab	86.43, -35.70, 15.57
CIELCh	86, 38.949, 156.435
Yxy	68.8576, 0.2879, 0.3901
Android (android.graphics.Color)	4288080570 (0xFF96EABA)
YUV	203.4120, -8.5841, -46.8423
Hunter-Lab	82.9805, -35.8960, 17.4736

Details

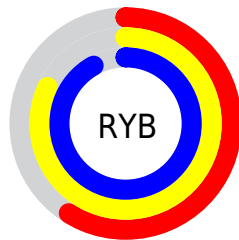
The RYB color **150, 209, 234** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **234, 150, 198**, and the grayscale version is **203, 203, 203**.

A 20% lighter version of the original color is **206, 234, 255**, and **95, 152, 178** is the 20% darker color. If you saturate the color by 10%, you get **127, 202, 234**, and if you desaturate by 10%, it is **173, 216, 234**.

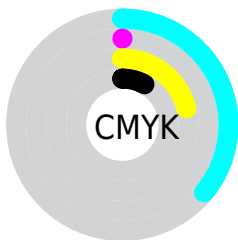
Distribution



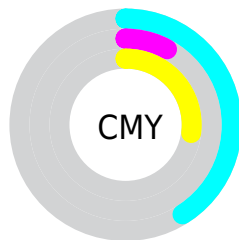
- Red (59%)
- Green (92%)
- Blue (73%)



- Red (59%)
- Yellow (82%)
- Blue (92%)



- Cyan (36%)
- Magenta (0%)
- Yellow (21%)
- Black (8%)



- Cyan (41%)
- Magenta (8%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the RYB color 150, 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 150, 209, 234 by changing the saturation by 10% instead.

 150, 209, 234


255, 255, 255


 206, 234, 255

 236, 246, 255

 150, 209, 234

 123, 181, 206


 95, 152, 178


 68, 124, 151

 39, 95, 124

 0, 62, 99

 0, 49, 74

 0, 38, 51

 0, 31, 31

 0, 0, 0

 150, 209, 234


 150, 209, 234

 127, 202, 234


 173, 216, 234

 103, 195, 234


 197, 223, 234

 80, 188, 234


 220, 230, 234

 56, 181, 234


 244, 234, 240

 33, 174, 234

 255, 234, 253

 10, 167, 234

 255, 234, 255

 0, 164, 234

Harmonies

Analogous

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



156, 227, 189



150, 209, 234



108, 176, 237

Triad

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



150, 209, 234



179, 204, 255



255, 199, 174

Complementary

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



150, 209, 234



234, 150, 198

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, 188, 210



150, 209, 234



232, 204, 255

Square

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



150, 209, 234



123, 181, 255



255, 193, 247



247, 255, 149

Rectangle

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



150, 209, 234



90, 166, 248



255, 193, 247



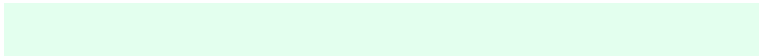
255, 190, 185

Sweetspot

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



150, 209, 234



227, 247, 255



150, 234, 185



111, 123, 128



0, 0, 0



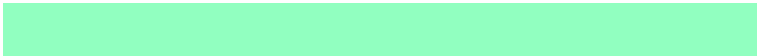
128, 128, 128

Same Dimension

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



150, 209, 234



145, 222, 255



150, 194, 234



106, 114, 117



0, 127, 181



0, 38, 54

Inverse Universe

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



234, 150, 198



255, 145, 209



234, 150, 157



117, 106, 112



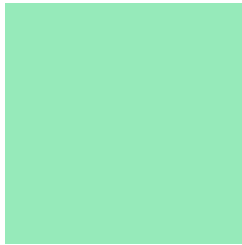
181, 0, 104



54, 0, 31

Previews

White Background



This preview shows how the RYB color 150, 209, 234 looks on a white background.

Color Contrast Check

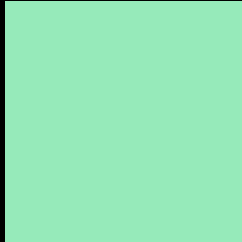
Large Text (above 18pt) WCAG AA × Fail

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 150, 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](#).

RYP 150, 209, 234 Background



This preview shows how black text looks on a background with the RYB color 150, 209, 234.

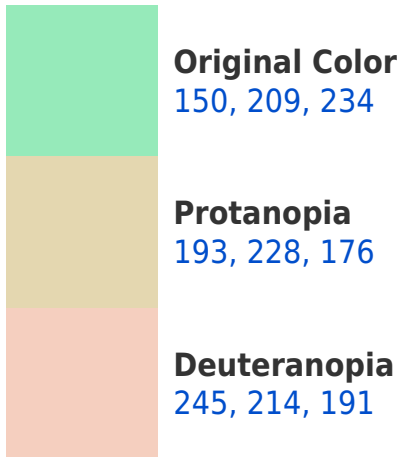



This preview shows how white text looks on a background with the RYB color 150, 209, 234.

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





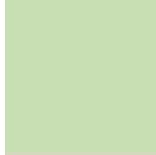
Tritanopia
163, 198, 244

Trichromacy



Original Color

150, 209, 234



Protanomaly

179, 222, 201



Deuteranomaly

189, 217, 196



Tritanomaly

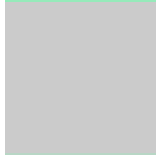
158, 195, 229

Monochromacy



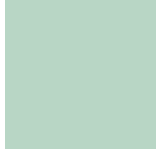
Original Color

150, 209, 234



Achromatopsia

203, 203, 203



Achromatomaly

184, 205, 214

CSS Examples

Text

The CSS property to change the color of the text to RYB 150, 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(150, 234, 186)` looks like.

```
.text, #text, p{  
    color:rgb(150, 234, 186)  
}
```

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(150, 234, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 234, 186) }
```

Border

The CSS property to change the border of an element to RYB 150, 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(150, 234, 186) }
```

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

```
.border{ border-color:rgb(150, 234, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 234, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 234, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 234, 186);  
box-shadow:4px 4px 4px 4px rgb(150, 234,  
186) }
```

Background

The CSS property to change the background color of an element to RYB 150, 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(150, 234, 186) }
```

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

```
.background{ background-color: rgb(150,  
234, 186) }
```

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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