

Converting Colors

`RYB(149, 212, 231)`

Have a look what the booklet for
RYB(149, 212, 231) contains.

RYB(149, 212, 231)	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(149, 212, 231)

Conversions

Conversions Part 1

Format	Color
Hex	95E7AE
RGB	149, 231, 174
RGB Percent	58%, 91%, 68%
CMY	0.4157, 0.0941, 0.3187
CMYK	0.35, 0.00, 0.25, 0.09
HSL	138°, 63%, 75%
HSV	138°, 35%, 91%
XYZ	48.5840, 66.5869, 50.1985
YIQ	199.9840, -30.5750, -35.1110

Conversions

Conversions Part 2

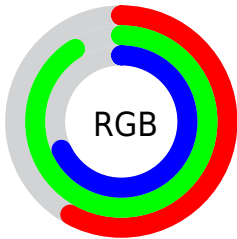
Format	Color
RYB	149, 212, 231
Decimal	9824174
CIELab	85.29, -36.84, 20.14
CIELCh	85, 41.983, 151.329
Yxy	66.5869, 0.2938, 0.4027
Android (android.graphics.Color)	4288014254 (0xFF95E7AE)
YUV	199.9840, -12.8101, -44.7130
Hunter-Lab	81.6008, -36.5248, 20.6470

Details

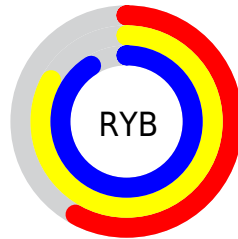
The RYB color **149, 212, 231** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **231, 149, 206**, and the grayscale version is **200, 200, 200**.

A 20% lighter version of the original color is **205, 238, 255**, and **95, 155, 175** is the 20% darker color. If you saturate the color by 10%, you get **126, 206, 231**, and if you desaturate by 10%, it is **172, 217, 231**.

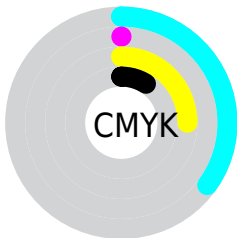
Distribution



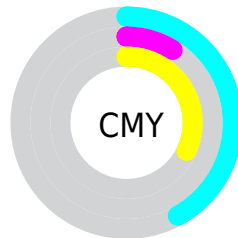
- Red (58%)
- Green (91%)
- Blue (68%)



- Red (58%)
- Yellow (83%)
- Blue (91%)



- Cyan (35%)
- Magenta (0%)
- Yellow (25%)
- Black (9%)



- Cyan (42%)
- Magenta (9%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the RYB color 149, 212, 231 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 149, 212, 231 by changing the saturation by 10% instead.


 149, 212, 231


255, 255, 255


 205, 239, 255

 234, 245, 255

 149, 212, 231

 122, 184, 203

 95, 155, 175

 68, 127, 148


 39, 98, 122

 0, 64, 96

 0, 52, 72

 0, 46, 49

 0, 27, 27

 0, 0, 0

 149, 212, 231


 149, 212, 231

 126, 206, 231


 172, 217, 231


 103, 202, 231


 195, 223, 231

 80, 196, 231


 218, 228, 231

 57, 191, 231

 241, 231, 238

 34, 186, 231

 255, 231, 254

 10, 180, 231

 255, 231, 255

 0, 177, 231

Harmonies

Analogous

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



144, 223, 171



149, 212, 231



98, 172, 235

Triad

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



149, 212, 231



160, 195, 255



255, 188, 174

Complementary

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



149, 212, 231



231, 149, 206

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, 183, 213



149, 212, 231



220, 202, 255

Square

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



149, 212, 231



95, 167, 255



255, 189, 252



255, 247, 145

Rectangle

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



149, 212, 231



69, 153, 241



255, 189, 252



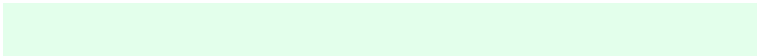
255, 184, 186

Sweetspot

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



149, 212, 231



227, 249, 255



149, 231, 174



111, 124, 128



0, 0, 0



128, 128, 128

Same Dimension

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



149, 212, 231



145, 230, 255



149, 194, 231



103, 112, 115



0, 138, 179



0, 39, 51

Inverse Universe

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



231, 149, 206



255, 145, 222



231, 149, 165



115, 103, 111



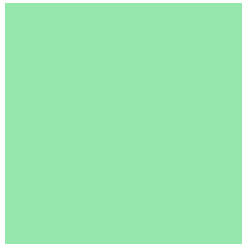
179, 0, 125



51, 0, 36

Previews

White Background



This preview shows how the RYB color 149, 212, 231 looks on a white background.

Color Contrast Check

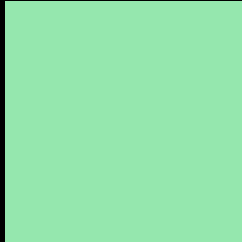
Large Text (above 18pt) WCAG AA × Fail

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 149, 212, 231 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 149, 212, 231 Background



This preview shows how black text looks on a background with the RYB color 149, 212, 231.

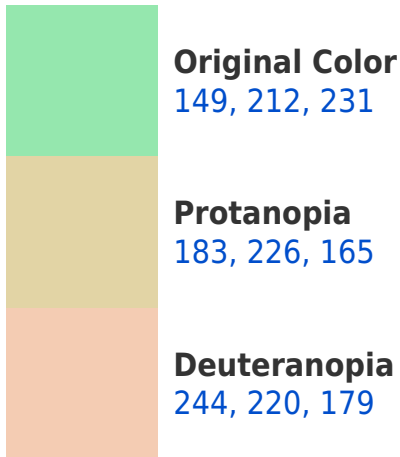



This preview shows how white text looks on a background with the RYB color 149, 212, 231.

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, 196, 240

Trichromacy



Original Color

149, 212, 231



Protanomaly

168, 219, 189



Deuteranomaly

177, 214, 182



Tritanomaly

158, 194, 225

Monochromacy



Original Color

149, 212, 231



Achromatopsia

200, 200, 200



Achromatomaly

181, 204, 211

CSS Examples

Text

The CSS property to change the color of the text to RYB 149, 212, 231 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(149, 231, 174)` looks like.

```
.text, #text, p{  
    color:rgb(149, 231, 174)  
}
```

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(149, 231, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 231, 174) }
```

Border

The CSS property to change the border of an element to RYB 149, 212, 231 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(149, 231, 174) }
```

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

```
.border{ border-color:rgb(149, 231, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 231, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 231, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 231, 174);  
box-shadow:4px 4px 4px 4px rgb(149, 231,  
174) }
```

Background

The CSS property to change the background color of an element to RYB 149, 212, 231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 231, 174) }
```

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

```
.background{ background-color: rgb(149,  
231, 174) }
```

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