

Converting Colors

`RYB(151, 200, 212)`

Have a look what the booklet for
RYB(151, 200, 212) contains.

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Color

R_YB(151, 200, 212)

Conversions

Conversions Part 1

Format	Color
Hex	97D4A6
RGB	151, 212, 166
RGB Percent	59%, 83%, 65%
CMY	0.4078, 0.1686, 0.3493
CMYK	0.29, 0.00, 0.22, 0.17
HSL	135°, 41%, 71%
HSV	135°, 29%, 83%
XYZ	43.1833, 56.4172, 44.6606
YIQ	188.5170, -21.5900, -27.2380

Conversions

Conversions Part 2

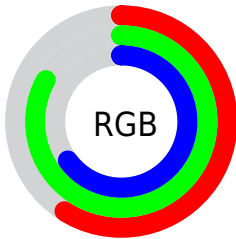
Format	Color
RYB	151, 200, 212
Decimal	9950374
CIELab	79.85, -28.77, 16.66
CIElCh	80, 33.244, 149.924
Yxy	56.4172, 0.2993, 0.3911
Android (android.graphics.Color)	4288140454 (0xFF97D4A6)
YUV	188.5170, -11.1009, -32.9024
Hunter-Lab	75.1114, -28.8211, 17.3247

Details

The RYB color **151, 200, 212** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **212, 151, 197**, and the grayscale version is **189, 189, 189**.

A 20% lighter version of the original color is **206, 244, 255**, and **98, 144, 157** is the 20% darker color. If you saturate the color by 10%, you get **130, 196, 212**, and if you desaturate by 10%, it is **172, 204, 212**.

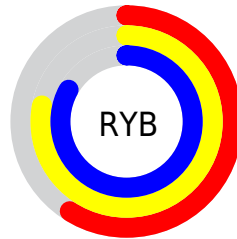
Distribution



Red (59%)

Green (83%)

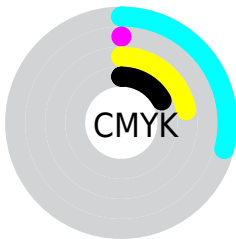
Blue (65%)



Red (59%)

Yellow (78%)

Blue (83%)

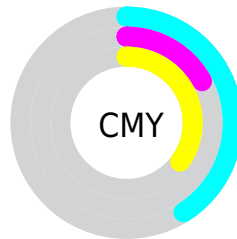


Cyan (29%)

Magenta (0%)

Yellow (22%)

Black (17%)



Cyan (41%)

Magenta (17%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the RYB color 151, 200, 212 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 151, 200, 212 by changing the saturation by 10% instead.


 151, 200, 212


255, 255, 255

 206, 244, 255

 235, 246, 255

 151, 200, 212

 124, 171, 184

 98, 144, 157

 73, 118, 131

 47, 91, 105

 20, 64, 81

 0, 41, 57

 0, 36, 36


 0, 0, 0

 151, 200, 212


 151, 200, 212

 130, 196, 212


 172, 204, 212

 109, 192, 212


 193, 208, 212

 87, 187, 212


 215, 212, 214

 66, 183, 212

 236, 212, 230

 45, 179, 212

 255, 212, 246

 24, 175, 212

 255, 212, 255

 3, 171, 212

 0, 170, 212

Harmonies

Analogous

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



144, 205, 162



151, 200, 212



117, 171, 215

Triad

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



151, 200, 212



157, 187, 255



255, 178, 169

Complementary

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



151, 200, 212



212, 151, 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, 175, 199



151, 200, 212



202, 190, 252

Square

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



151, 200, 212



115, 171, 251



237, 180, 230



245, 212, 145

Rectangle

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



151, 200, 212



101, 159, 218



237, 180, 230



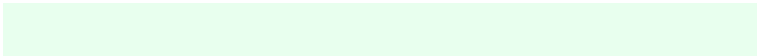
255, 176, 178

Sweetspot

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



151, 200, 212



232, 250, 255



151, 212, 165



113, 125, 128



0, 0, 0



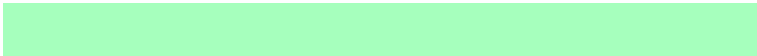
128, 128, 128

Same Dimension

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



151, 200, 212



166, 237, 255



151, 186, 212



96, 105, 107



0, 137, 171



0, 34, 43

Inverse Universe

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



212, 151, 197



255, 166, 233



212, 151, 167



107, 96, 104



171, 0, 129



43, 0, 33

Previews

White Background



This preview shows how the RYB color 151, 200, 212 looks on a white background.

Color Contrast Check

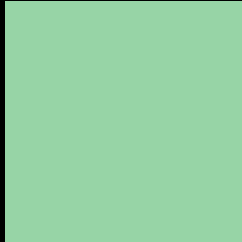
Large Text (above 18pt) WCAG AA × Fail

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 151, 200, 212 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

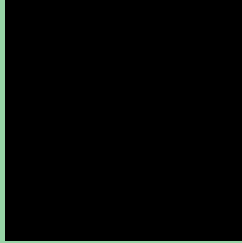
Any Text WCAG AA ✓ Pass

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 151, 200, 212 Background



This preview shows how black text looks on a background with the RYB color 151, 200, 212.

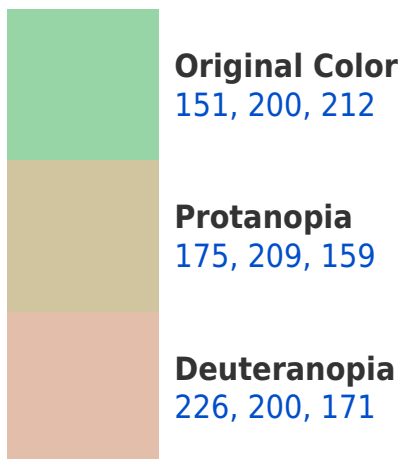


This preview shows how white text looks on a background with the RYB color 151, 200, 212.

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
162, 187, 221

Trichromacy



Original Color

151, 200, 212



Protanomaly

162, 202, 176



Deuteranomaly

170, 199, 169



Tritanomaly

158, 185, 208

Monochromacy



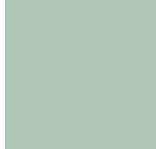
Original Color

151, 200, 212



Achromatopsia

189, 189, 189



Achromatomaly

175, 192, 197

CSS Examples

Text

The CSS property to change the color of the text to RYB 151, 200, 212 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(151, 212, 166)` looks like.

```
.text, #text, p{  
    color:rgb(151, 212, 166)  
}
```

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(151, 212, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 212, 166) }
```

Border

The CSS property to change the border of an element to RYB 151, 200, 212 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(151, 212, 166) }
```

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

```
.border{ border-color:rgb(151, 212, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 212, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(151, 212, 166); -webkit-box-shadow:4px 4px 4px 4px rgb(151, 212, 166); box-shadow:4px 4px 4px 4px rgb(151, 212, 166) }
```

Background

The CSS property to change the background color of an element to RYB 151, 200, 212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 212, 166) }
```

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

```
.background{ background-color: rgb(151,  
212, 166) }
```

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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