

Converting Colors

`RYB(157, 205, 216)`

Have a look what the booklet for
RYB(157, 205, 216) contains.

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Color

R_YB(157, 205, 216)

Conversions

Conversions Part 1

Format	Color
Hex	9DD8AB
RGB	157, 216, 171
RGB Percent	62%, 85%, 67%
CMY	0.3843, 0.1529, 0.3313
CMYK	0.27, 0.00, 0.21, 0.15
HSL	134°, 43%, 73%
HSV	134°, 27%, 85%
XYZ	45.7656, 59.2019, 47.3040
YIQ	193.2290, -20.7190, -26.5030

Conversions

Conversions Part 2

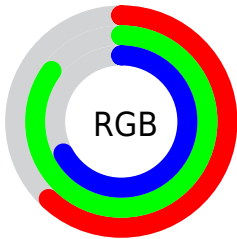
Format	Color
RYB	157, 205, 216
Decimal	10344619
CIELab	81.40, -27.94, 16.46
CIELCh	81, 32.430, 149.500
Yxy	59.2019, 0.3006, 0.3888
Android (android.graphics.Color)	4288534699 (0xFF9DD8AB)
YUV	193.2290, -10.9589, -31.7728
Hunter-Lab	76.9427, -28.4779, 17.4087

Details

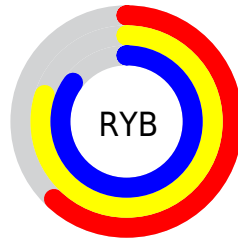
The RYB color **157, 205, 216** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **216, 157, 202**, and the grayscale version is **193, 193, 193**.

A 20% lighter version of the original color is **213, 245, 255**, and **104, 149, 161** is the 20% darker color. If you saturate the color by 10%, you get **135, 201, 216**, and if you desaturate by 10%, it is **179, 209, 216**.

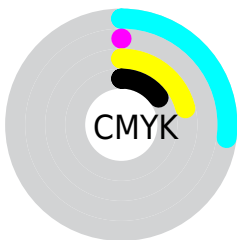
Distribution



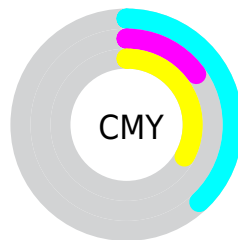
- Red (62%)
- Green (85%)
- Blue (67%)



- Red (62%)
- Yellow (80%)
- Blue (85%)



- Cyan (27%)
- Magenta (0%)
- Yellow (21%)
- Black (15%)



- Cyan (38%)
- Magenta (15%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the RYB color 157, 205, 216 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 157, 205, 216 by changing the saturation by 10% instead.


 157, 205, 216

255, 255, 255


 213, 245, 255


 241, 248, 255

 157, 205, 216

 130, 177, 188

 104, 150, 161


 79, 123, 134

 53, 96, 109

 28, 70, 84

 0, 43, 61

 0, 38, 38

 0, 10, 10


 0, 0, 0

 157, 205, 216


 157, 205, 216

 135, 201, 216


 179, 209, 216

 114, 197, 216


 200, 213, 216

 92, 192, 216


 222, 216, 220

 71, 189, 216

 243, 216, 237

 49, 185, 216

 255, 216, 254

 27, 180, 216

 255, 216, 255

 6, 177, 216

 0, 175, 216

Harmonies

Analogous

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



149, 209, 166



157, 205, 216



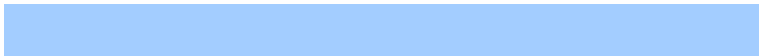
124, 176, 219

Triad

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



157, 205, 216



163, 192, 255



255, 183, 174

Complementary

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



157, 205, 216



216, 157, 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, 180, 204



157, 205, 216



206, 195, 255

Square

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



157, 205, 216



123, 177, 254



241, 185, 234



249, 216, 151

Rectangle

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



157, 205, 216



110, 165, 221



241, 185, 234



255, 181, 183

Sweetspot

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



157, 205, 216



235, 252, 255



157, 216, 170



115, 126, 128



0, 0, 0



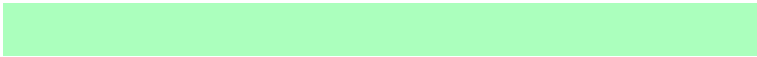
128, 128, 128

Same Dimension

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



157, 205, 216



171, 240, 255



157, 191, 216



96, 105, 107



0, 139, 171



0, 35, 43

Inverse Universe

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



216, 157, 202



255, 171, 236



216, 157, 174



107, 96, 105



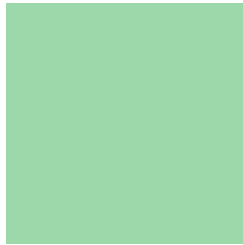
171, 0, 132



43, 0, 33

Previews

White Background



This preview shows how the RYB color 157, 205, 216 looks on a white background.

Color Contrast Check

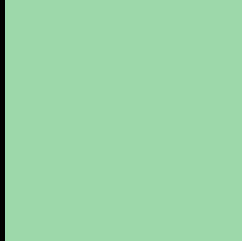
Large Text (above 18pt) WCAG AA × Fail

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 157, 205, 216 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

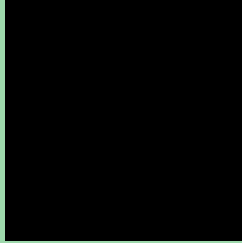
Any Text WCAG AA ✓ Pass

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](#).

R Y B 157, 205, 216 Background



This preview shows how black text looks on a background with the R Y B color 157, 205, 216.

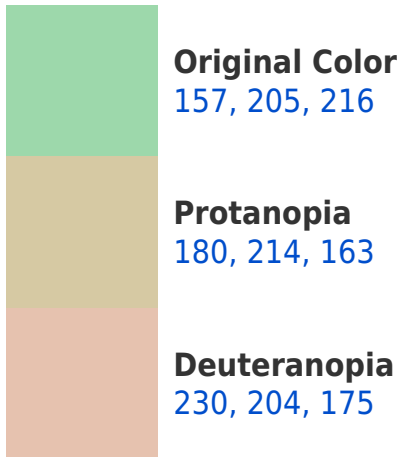


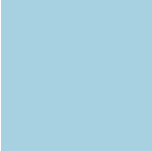
This preview shows how white text looks on a background with the R Y B color 157, 205, 216.

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
167, 191, 225

Trichromacy



Original Color

157, 205, 216



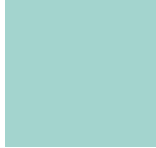
Protanomaly

166, 206, 179



Deuteranomaly

174, 203, 173



Tritanomaly

163, 189, 212

Monochromacy



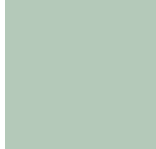
Original Color

157, 205, 216



Achromatopsia

193, 193, 193



Achromatomaly

180, 197, 201

CSS Examples

Text

The CSS property to change the color of the text to RYB 157, 205, 216 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(157, 216, 171)` looks like.

```
.text, #text, p{  
    color:rgb(157, 216, 171)  
}
```

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(157, 216, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 216, 171) }
```

Border

The CSS property to change the border of an element to RYB 157, 205, 216 is called "border". The border property can be set on classes, ids or directly on the HTML element.

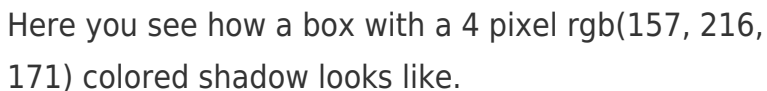
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(157, 216, 171) }
```

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

```
.border{ border-color:rgb(157, 216, 171) }
```

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



Here you see how a box with a 4 pixel `rgb(157, 216, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(157, 216, 171); -webkit-box-shadow:4px 4px 4px 4px rgb(157, 216, 171); box-shadow:4px 4px 4px 4px rgb(157, 216, 171) }
```

Background

The CSS property to change the background color of an element to RYB 157, 205, 216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 216, 171) }
```

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

```
.background{ background-color: rgb(157,  
216, 171) }
```

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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