

Converting Colors

`RYB(157, 191, 213)`

Have a look what the booklet for
RYB(157, 191, 213) contains.

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Color

R_YB(157, 191, 213)

Conversions

Conversions Part 1

Format	Color
Hex	9DD5C1
RGB	157, 213, 193
RGB Percent	62%, 84%, 76%
CMY	0.3843, 0.1647, 0.2422
CMYK	0.26, 0.00, 0.09, 0.16
HSL	159°, 40%, 73%
HSV	159°, 26%, 84%
XYZ	47.3508, 58.6174, 59.4084
YIQ	193.9760, -26.9560, -18.0920

Conversions

Conversions Part 2

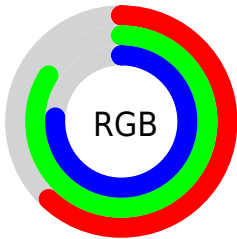
Format	Color
RYB	157, 191, 213
Decimal	10343873
CIELab	81.08, -22.08, 3.95
CIElCh	81, 22.434, 169.851
Yxy	58.6174, 0.2863, 0.3544
Android (android.graphics.Color)	4288533953 (0xFF9DD5C1)
YUV	193.9760, -0.4812, -32.4280
Hunter-Lab	76.5620, -23.5877, 7.5872

Details

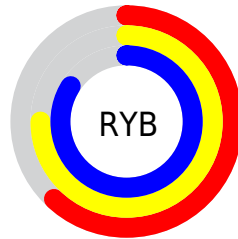
The RYB color **157, 191, 213** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **213, 157, 177**, and the grayscale version is **194, 194, 194**.

A 20% lighter version of the original color is **213, 236, 255**, and **104, 136, 158** is the 20% darker color. If you saturate the color by 10%, you get **136, 183, 213**, and if you desaturate by 10%, it is **178, 199, 213**.

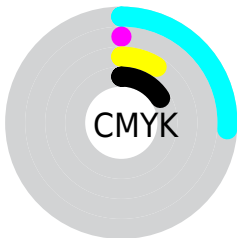
Distribution



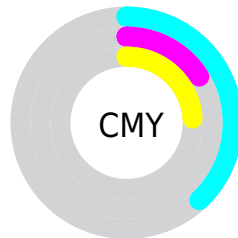
- Red (62%)
- Green (84%)
- Blue (76%)



- Red (62%)
- Yellow (75%)
- Blue (84%)



- Cyan (26%)
- Magenta (0%)
- Yellow (9%)
- Black (16%)




- Cyan (38%)
- Magenta (16%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the RYB color 157, 191, 213 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, 191, 213 by changing the saturation by 10% instead.


 157, 191, 213


255, 255, 255


 213, 235, 255

 241, 248, 255

 157, 191, 213


 130, 163, 185

 104, 136, 158

 79, 111, 132

 54, 85, 106


 28, 60, 82

 0, 34, 59


 0, 22, 37


 0, 7, 7


 0, 0, 0

 157, 191, 213


 157, 191, 213

 136, 183, 213


 178, 199, 213

 114, 174, 213


 200, 208, 213

 93, 166, 213


 221, 213, 216

 72, 158, 213

 242, 213, 223

 51, 149, 213

 255, 213, 231

 29, 141, 213

 255, 213, 238

 8, 132, 213

 255, 213, 246

 0, 129, 213

 255, 213, 253

 255, 213, 255

Harmonies

Analogous

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



174, 210, 205



157, 191, 213



145, 179, 215

Triad

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



157, 191, 213



196, 198, 241



240, 200, 170

Complementary

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



157, 191, 213



213, 157, 177

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.



245, 187, 188



157, 191, 213



222, 192, 229

Square

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



157, 191, 213



168, 193, 242



239, 187, 209



204, 224, 160

Rectangle

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



157, 191, 213



145, 182, 227



239, 187, 209



243, 193, 175

Sweetspot

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



157, 191, 213



235, 247, 255



157, 213, 192



115, 123, 128



0, 0, 0



128, 128, 128

Same Dimension

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



157, 191, 213



173, 223, 255



157, 183, 213



96, 103, 107



0, 104, 171



0, 26, 43

Inverse Universe

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



213, 157, 177



255, 173, 202



213, 165, 157



107, 96, 100



171, 0, 60



43, 0, 15

Previews

White Background



This preview shows how the RYB color 157, 191, 213 looks on a white background.

Color Contrast Check

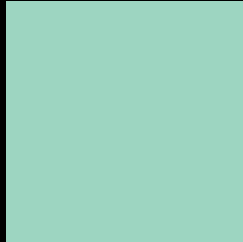
Large Text (above 18pt) WCAG AA × Fail

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, 191, 213 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

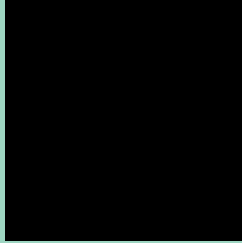
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

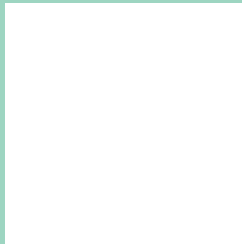
Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RYB 157, 191, 213 Background



This preview shows how black text looks on a background with the RYB color 157, 191, 213.

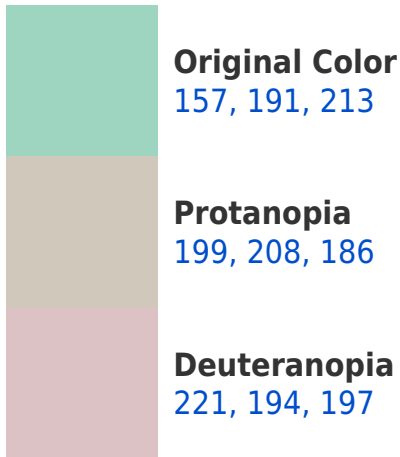


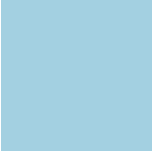
This preview shows how white text looks on a background with the RYB color 157, 191, 213.

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, 189, 225

Trichromacy



Original Color
157, 191, 213

Protanomaly
189, 205, 205

Deuteranomaly
196, 201, 199

Tritanomaly
161, 186, 213

Monochromacy



Original Color
157, 191, 213

Achromatopsia
194, 194, 194

Achromatomaly
181, 193, 201

CSS Examples

Text

The CSS property to change the color of the text to RYB 157, 191, 213 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, 213, 193)` looks like.

```
.text, #text, p{  
    color:rgb(157, 213, 193)  
}
```

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, 213, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 213, 193) }
```

Border

The CSS property to change the border of an element to RYB 157, 191, 213 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, 213, 193) }
```

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

```
.border{ border-color:rgb(157, 213, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 213, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 213, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 213, 193);  
box-shadow:4px 4px 4px 4px rgb(157, 213,  
193) }
```

Background

The CSS property to change the background color of an element to RYB 157, 191, 213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 213, 193) }
```

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

```
.background{ background-color: rgb(157,  
213, 193) }
```

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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