

Converting Colors

`RYB(165, 187, 212)`

Have a look what the booklet for
RYB(165, 187, 212) contains.

RYB(165, 187, 212)	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(165, 187, 212)

Conversions

Conversions Part 1

Format	Color
Hex	A5CED4
RGB	165, 206, 212
RGB Percent	65%, 81%, 83%
CMY	0.3529, 0.1907, 0.1686
CMYK	0.22, 0.03, 0.00, 0.17
HSL	187°, 35%, 74%
HSV	187°, 22%, 83%
XYZ	49.5588, 57.0690, 70.6907
YIQ	194.4250, -26.3620, -6.8260

Conversions

Conversions Part 2

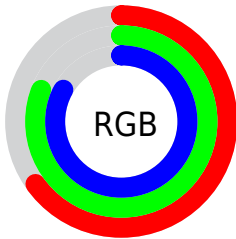
Format	Color
RYB	165, 187, 212
Decimal	10866388
CIELab	80.22, -12.30, -7.29
CIELCh	80, 14.294, 210.646
Yxy	57.0690, 0.2795, 0.3218
Android (android.graphics.Color)	4289056468 (0xFFA5CED4)
YUV	194.4250, 8.6645, -25.8057
Hunter-Lab	75.5440, -15.1014, -2.6002

Details

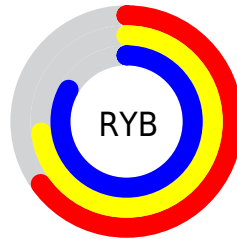
The RYB color **165, 187, 212** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **212, 172, 165**, and the grayscale version is **195, 195, 195**.

A 20% lighter version of the original color is **221, 238, 255**, and **112, 133, 157** is the 20% darker color. If you saturate the color by 10%, you get **144, 176, 212**, and if you desaturate by 10%, it is **186, 198, 212**.

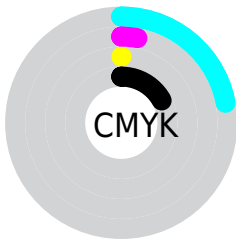
Distribution



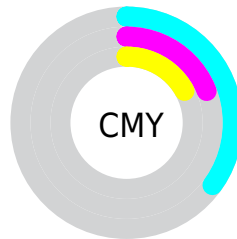
- Red (65%)
- Green (81%)
- Blue (83%)



- Red (65%)
- Yellow (73%)
- Blue (83%)



- Cyan (22%)
- Magenta (3%)
- Yellow (0%)
- Black (17%)



- Cyan (35%)
- Magenta (19%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the RYB color 165, 187, 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 165, 187, 212 by changing the saturation by 10% instead.

■ 165, 187, 212

255, 255, 255

■ 221, 238, 255

■ 250, 253, 255

■ 165, 187, 212

■ 138, 160, 184

■ 112, 133, 157

■ 87, 108, 131

■ 62, 83, 106

■ 38, 59, 82

■ 11, 34, 59


■ 0, 17, 37


■ 0, 2, 17

■ 0, 0, 0

 165, 187, 212


 165, 187, 212

 144, 176, 212


 186, 198, 212

 123, 165, 212


 207, 209, 212

 101, 153, 212


 229, 214, 212

 80, 142, 212


 250, 218, 212

 59, 131, 212

 255, 220, 212

 38, 119, 212

 255, 225, 212

 17, 108, 212

 255, 229, 212

 0, 99, 212

 255, 235, 212

 255, 240, 212

Harmonies

Analogous

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



169, 190, 207



165, 187, 212



171, 191, 222

Triad

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



165, 187, 212



217, 192, 212



190, 210, 172

Complementary

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



165, 187, 212



212, 172, 165

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.



221, 206, 176



165, 187, 212



226, 190, 199

Square

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



165, 187, 212



202, 195, 222



227, 192, 186



176, 202, 183

Rectangle

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



165, 187, 212



180, 194, 225



227, 192, 186



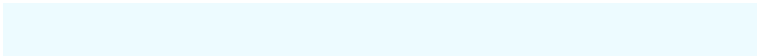
202, 214, 173

Sweetspot

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



165, 187, 212



237, 245, 255



165, 207, 212



117, 122, 128



0, 0, 0



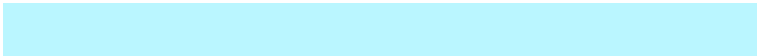
128, 128, 128

Same Dimension

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



165, 187, 212



186, 218, 255



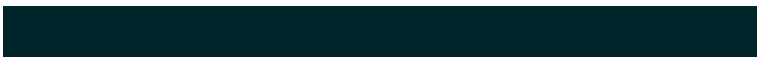
165, 178, 212



96, 101, 107



0, 80, 171



0, 20, 43

Inverse Universe

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



212, 165, 206



255, 186, 247



194, 212, 165



107, 96, 106



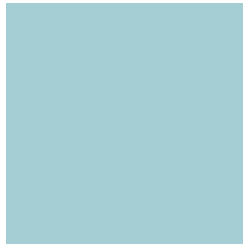
171, 0, 150



43, 0, 38

Previews

White Background



This preview shows how the RYB color 165, 187, 212 looks on a white background.

Color Contrast Check

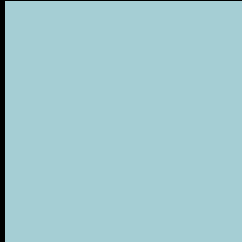
Large Text (above 18pt) WCAG AA × Fail

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 165, 187, 212 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

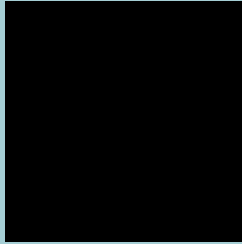
Any Text WCAG AA ✓ Pass

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 165, 187, 212 Background



This preview shows how black text looks on a background with the RYB color 165, 187, 212.

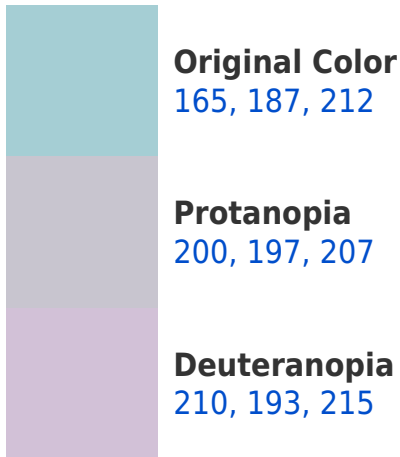


This preview shows how white text looks on a background with the RYB color 165, 187, 212.

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](#).

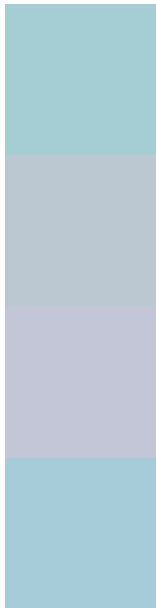
Dichromacy





Tritanopia
167, 189, 221

Trichromacy



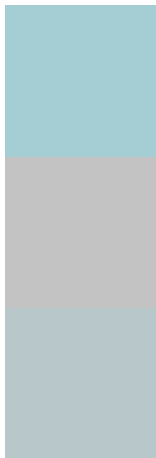
Original Color
165, 187, 212

Protanomaly
187, 195, 209

Deuteranomaly
194, 197, 214

Tritanomaly
166, 188, 218

Monochromacy



Original Color
165, 187, 212

Achromatopsia
195, 195, 195

Achromatomaly
184, 192, 201

CSS Examples

Text

The CSS property to change the color of the text to RYB 165, 187, 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(165, 206, 212)` looks like.

```
.text, #text, p{  
    color:rgb(165, 206, 212)  
}
```

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(165, 206, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 206, 212) }
```

Border

The CSS property to change the border of an element to RYB 165, 187, 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(165, 206, 212) }
```

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

```
.border{ border-color:rgb(165, 206, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 206, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(165, 206, 212); -webkit-box-shadow:4px 4px 4px 4px rgb(165, 206, 212); box-shadow:4px 4px 4px 4px rgb(165, 206, 212) }
```

Background

The CSS property to change the background color of an element to RYB 165, 187, 212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 206, 212) }
```

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

```
.background{ background-color: rgb(165,  
206, 212) }
```

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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