

Converting Colors

`RYB(165, 199, 209)`

Have a look what the booklet for
RYB(165, 199, 209) contains.

RYB(165, 199, 209)	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, 199, 209)

Conversions

Conversions Part 1

Format	Color
Hex	A5D1B2
RGB	165, 209, 178
RGB Percent	65%, 82%, 70%
CMY	0.3529, 0.1804, 0.3022
CMYK	0.21, 0.00, 0.15, 0.18
HSL	138°, 32%, 73%
HSV	138°, 21%, 82%
XYZ	46.3475, 56.8123, 50.6116
YIQ	192.3100, -16.2730, -18.9690

Conversions

Conversions Part 2

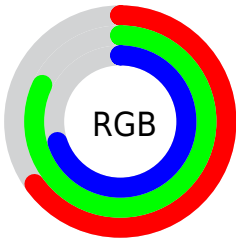
Format	Color
RYB	165, 199, 209
Decimal	10867122
CIELab	80.07, -20.56, 10.72
CIELCh	80, 23.188, 152.470
Yxy	56.8123, 0.3014, 0.3695
Android (android.graphics.Color)	4289057202 (0xFFA5D1B2)
YUV	192.3100, -7.0548, -23.9509
Hunter-Lab	75.3739, -22.1445, 12.9500

Details

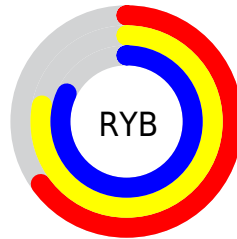
The RYB color **165, 199, 209** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **209, 165, 196**, and the grayscale version is **192, 192, 192**.

A 20% lighter version of the original color is **221, 246, 255**, and **112, 144, 154** is the 20% darker color. If you saturate the color by 10%, you get **144, 194, 209**, and if you desaturate by 10%, it is **186, 204, 209**.

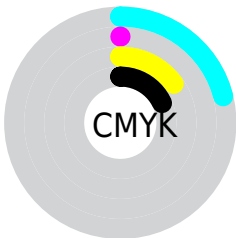
Distribution



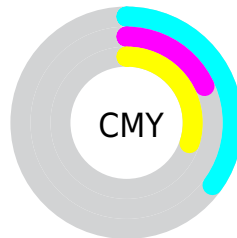
- Red (65%)
- Green (82%)
- Blue (70%)



- Red (65%)
- Yellow (78%)
- Blue (82%)



- Cyan (21%)
- Magenta (0%)
- Yellow (15%)
- Black (18%)



- Cyan (35%)
- Magenta (18%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the RYB color 165, 199, 209 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, 199, 209 by changing the saturation by 10% instead.

 165, 199, 209

255, 255, 255


 221, 246, 255

 249, 252, 255

 165, 199, 209

 138, 171, 181

 112, 144, 154

 87, 118, 128

 63, 93, 103

 39, 68, 79

 16, 45, 56


 0, 26, 34

 0, 1, 1


 0, 0, 0

 165, 199, 209


 165, 199, 209

 144, 194, 209


 186, 204, 209

 123, 190, 209


 207, 209, 209

 102, 184, 209


 228, 209, 222

 81, 180, 209


 249, 209, 237

 61, 176, 209

 255, 209, 252

 40, 171, 209

 255, 209, 255

 19, 166, 209

 0, 162, 209

Harmonies

Analogous

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



162, 204, 177



165, 199, 209



145, 181, 211

Triad

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



165, 199, 209



176, 194, 241



243, 186, 176

Complementary

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



165, 199, 209



209, 165, 196

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.



242, 183, 198



165, 199, 209



205, 192, 235

Square

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



165, 199, 209



150, 184, 236



228, 186, 219



232, 213, 161

Rectangle

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



165, 199, 209



139, 176, 214



228, 186, 219



244, 184, 183

Sweetspot

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



165, 199, 209



240, 252, 255



165, 209, 177



119, 126, 128



0, 0, 0



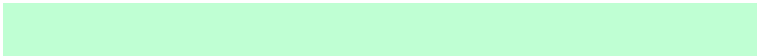
128, 128, 128

Same Dimension

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



165, 199, 209



191, 240, 255



165, 190, 209



94, 103, 105



0, 130, 168



0, 32, 41

Inverse Universe

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



209, 165, 196



255, 191, 236



209, 165, 175



105, 94, 101



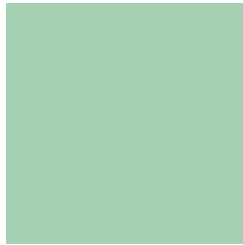
168, 0, 119



41, 0, 29

Previews

White Background



This preview shows how the RYB color 165, 199, 209 looks on a white background.

Color Contrast Check

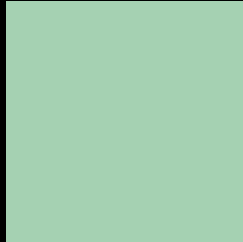
Large Text (above 18pt) WCAG AA × Fail

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, 199, 209 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

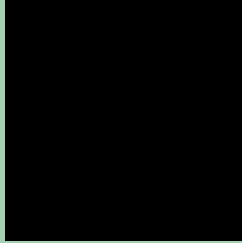
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

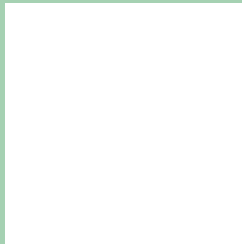
Any Text WCAG AAA ✓ Pass

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

RYB 165, 199, 209 Background



This preview shows how black text looks on a background with the RYB color 165, 199, 209.

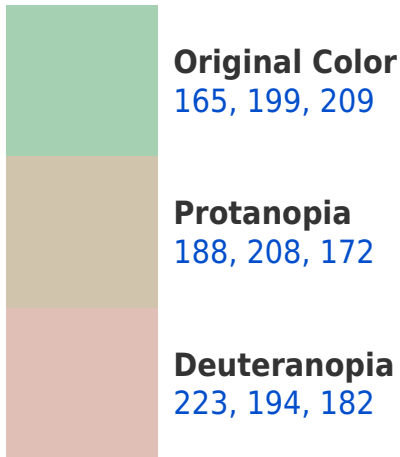


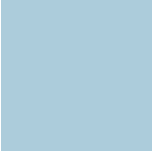
This preview shows how white text looks on a background with the RYB color 165, 199, 209.

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](#).

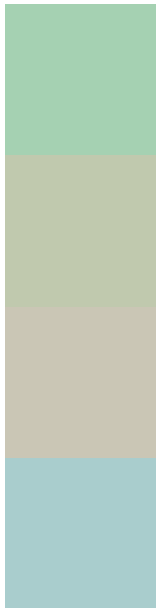
Dichromacy





Tritanopia
172, 191, 219

Trichromacy



Original Color
165, 199, 209

Protanomaly
174, 201, 183

Deuteranomaly
186, 202, 181

Tritanomaly
169, 187, 205

Monochromacy



Original Color
165, 199, 209

Achromatopsia
192, 192, 192

Achromatomaly
182, 194, 198

CSS Examples

Text

The CSS property to change the color of the text to RYB 165, 199, 209 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, 209, 178)` looks like.

```
.text, #text, p{  
    color:rgb(165, 209, 178)  
}
```

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, 209, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 209, 178) }
```

Border

The CSS property to change the border of an element to RYB 165, 199, 209 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, 209, 178) }
```

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

```
.border{ border-color:rgb(165, 209, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 209, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(165, 209, 178); -webkit-box-shadow:4px 4px 4px 4px rgb(165, 209, 178); box-shadow:4px 4px 4px 4px rgb(165, 209, 178) }
```

Background

The CSS property to change the background color of an element to RYB 165, 199, 209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 209, 178) }
```

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

```
.background{ background-color: rgb(165,  
209, 178) }
```

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