

# Converting Colors

`RYB(168, 199, 219)`

Have a look what the booklet for RYB(168, 199, 219) contains.

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# **Color**

**R<sub>Y</sub>B(168, 199, 219)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A8DBC9
RGB	168, 219, 201
RGB Percent	66%, 86%, 79%
CMY	0.3412, 0.1412, 0.2121
CMYK	0.23, 0.00, 0.08, 0.14
HSL	159°, 41%, 76%
HSV	159°, 23%, 86%
XYZ	52.0112, 63.2004, 64.6563
YIQ	201.6990, -24.6180, -16.4100

# Conversions

## Conversions Part 2

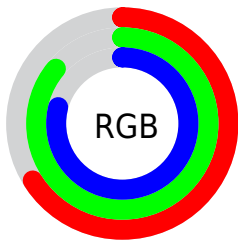
Format	Color
R <sub>YB</sub>	168, 199, 219
Decimal	11066313
CIE Lab	83.55, -20.12, 3.53
CIE LCh	84, 20.424, 170.050
Yxy	63.2004, 0.2892, 0.3514
Android (android.graphics.Color)	4289256393 (0xFFA8DBC9)
YUV	201.6990, -0.3446, -29.5540
Hunter-Lab	79.4987, -22.3408, 7.4285

# Details

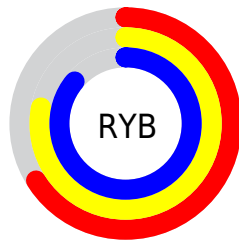
The RYB color **168, 199, 219** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **219, 168, 186**, and the grayscale version is **202, 202, 202**.

A 20% lighter version of the original color is **224, 240, 255**, and **115, 145, 164** is the 20% darker color. If you saturate the color by 10%, you get **146, 190, 219**, and if you desaturate by 10%, it is **190, 208, 219**.

# Distribution



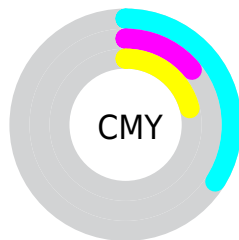
- Red (66%)
- Green (86%)
- Blue (79%)



- Red (66%)
- Yellow (78%)
- Blue (86%)



- Cyan (23%)
- Magenta (0%)
- Yellow (8%)
- Black (14%)



- Cyan (34%)
- Magenta (14%)
- Yellow (21%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 168, 199, 219 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 168, 199, 219 by changing the saturation by 10% instead.




 168, 199, 219

255, 255, 255


 224, 240, 255

253, 254, 255

 168, 199, 219

 141, 171, 191

 115, 145, 164


 89, 118, 137

 65, 93, 112

 40, 68, 87

 14, 43, 64


 0, 24, 41

 0, 18, 21


 0, 0, 0

 168, 199, 219


 168, 199, 219

 146, 190, 219


 190, 208, 219

 124, 182, 219


 212, 216, 219

 102, 173, 219


 234, 219, 224

 80, 164, 219


 255, 219, 232

 59, 156, 219

 255, 219, 240

 37, 148, 219

 255, 219, 248

 15, 139, 219

 255, 219, 255

 0, 133, 219

# Harmonies

## Analogous

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



183, 216, 212



168, 199, 219



157, 188, 221

# Triad

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



168, 199, 219



203, 205, 244



244, 207, 180

# Complementary

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



168, 199, 219



219, 168, 186

# 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.



249, 195, 196



168, 199, 219



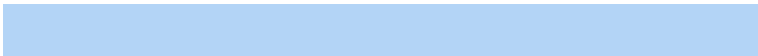
227, 199, 233

# Square

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



168, 199, 219



179, 201, 246



243, 195, 215



214, 230, 171

# Rectangle

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



168, 199, 219



158, 191, 232



243, 195, 215



246, 200, 184



# Sweetspot

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



168, 199, 219



237, 248, 255



168, 219, 200



117, 124, 128



0, 0, 0



128, 128, 128

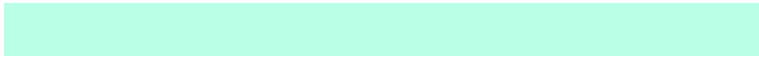


# Same Dimension

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



168, 199, 219



184, 227, 255



168, 192, 219



99, 106, 110



0, 105, 173



0, 28, 46



# Inverse Universe

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



219, 168, 186



255, 184, 209



219, 176, 168



110, 99, 103



173, 0, 62

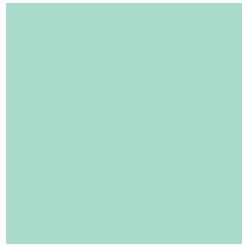


46, 0, 16



# Previews

## White Background



This preview shows how the RYB color 168, 199, 219 looks on a white background.

## Color Contrast Check

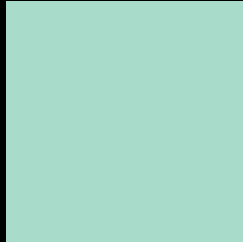
Large Text (above 18pt) WCAG AA × Fail

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 168, 199, 219 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

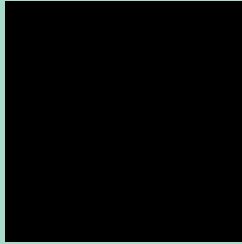
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

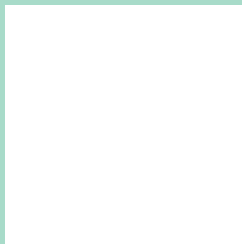
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## R Y B 168, 199, 219 Background



This preview shows how black text looks on a background with the R Y B color 168, 199, 219.

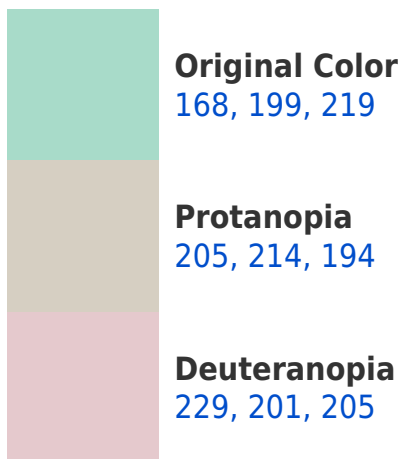


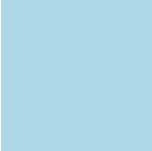
This preview shows how white text looks on a background with the R Y B color 168, 199, 219.

# 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





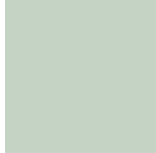
**Tritanopia**  
174, 198, 232

# Trichromacy



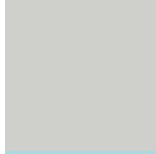
**Original Color**

168, 199, 219



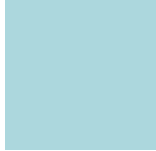
**Protanomaly**

197, 211, 211



**Deuteranomaly**

204, 208, 205



**Tritanomaly**

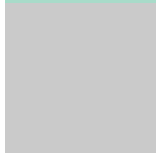
172, 195, 221

# Monochromacy



**Original Color**

168, 199, 219



**Achromatopsia**

202, 202, 202



**Achromatomaly**

190, 201, 208

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 168, 199, 219 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(168, 219, 201)` looks like.

```
.text, #text, p{  
    color:rgb(168, 219, 201)  
}
```

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(168, 219, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 219, 201) }
```

## Border

The CSS property to change the border of an element to RYB 168, 199, 219 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(168, 219, 201) }
```

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

```
.border{ border-color:rgb(168, 219, 201) }
```

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

Here you see how a box with a 4 pixel rgb(168, 219, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 219, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 219, 201);  
box-shadow:4px 4px 4px 4px rgb(168, 219,  
201) }
```

# Background

The CSS property to change the background color of an element to RYB 168, 199, 219 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 219, 201) }
```

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

```
.background{ background-color: rgb(168,  
219, 201) }
```

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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