

# Converting Colors

`RYB(164, 193, 214)`

Have a look what the booklet for  
RYB(164, 193, 214) contains.

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# Color

**$\text{RYB}(164, 193, 214)$**

# Conversions

## Conversions Part 1

Format	Color
Hex	A4D6C8
RGB	164, 214, 200
RGB Percent	64%, 84%, 78%
CMY	0.3569, 0.1608, 0.2149
CMYK	0.23, 0.00, 0.06, 0.16
HSL	163°, 38%, 74%
HSV	163°, 23%, 84%
XYZ	49.8059, 60.1655, 63.7585
YIQ	197.4540, -25.3060, -14.9540

# Conversions

## Conversions Part 2

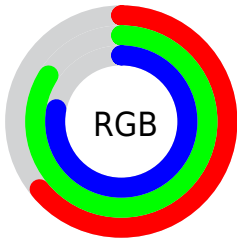
<b>Format</b>	<b>Color</b>
<b>RYB</b>	164, 193, 214
Decimal	10802888
CIELab	81.93, -19.00, 1.52
CIElCh	82, 19.060, 175.431
Yxy	60.1655, 0.2867, 0.3463
Android (android.graphics.Color)	4288992968 (0xFFA4D6C8)
YUV	197.4540, 1.2552, -29.3392
Hunter-Lab	77.5664, -21.1251, 5.5609

# Details

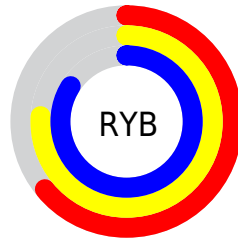
The RYB color **164, 193, 214** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **214, 164, 178**, and the grayscale version is **197, 197, 197**.

A 20% lighter version of the original color is **220, 238, 255**, and **111, 139, 159** is the 20% darker color. If you saturate the color by 10%, you get **143, 184, 214**, and if you desaturate by 10%, it is **185, 202, 214**.

# Distribution



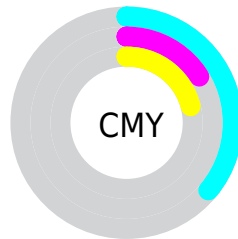
- Red (64%)
- Green (84%)
- Blue (78%)



- Red (64%)
- Yellow (76%)
- Blue (84%)



- Cyan (23%)
- Magenta (0%)
- Yellow (6%)
- Black (16%)




- Cyan (36%)
- Magenta (16%)
- Yellow (21%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 164, 193, 214 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 164, 193, 214 by changing the saturation by 10% instead.




 164, 193, 214


255, 255, 255


 220, 238, 255


 249, 252, 255

 164, 193, 214

 137, 165, 186

 111, 139, 159


 86, 113, 133

 61, 88, 108


 36, 63, 83


 10, 38, 60

 0, 22, 38

 0, 11, 13


 0, 0, 0

 164, 193, 214


 164, 193, 214

 143, 184, 214


 185, 202, 214

 121, 175, 214


 207, 211, 214

 100, 166, 214


 228, 214, 218

 78, 157, 214


 250, 214, 224

 57, 148, 214

 255, 214, 230

 36, 139, 214

 255, 214, 236

 14, 130, 214

 255, 214, 242

 0, 124, 214

 255, 214, 247

 255, 214, 253

# Harmonies

## Analogous

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



181, 210, 212



164, 193, 214



156, 186, 218

# Triad

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



164, 193, 214



204, 200, 236



235, 207, 175

# Complementary

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



164, 193, 214



214, 164, 178

# 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.



241, 192, 189



164, 193, 214



225, 195, 224

# Square

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



164, 193, 214



180, 198, 239



238, 192, 207



198, 221, 168

# Rectangle

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



164, 193, 214



159, 189, 228



238, 192, 207



238, 199, 179



# Sweetspot

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



164, 193, 214



237, 247, 255



164, 214, 200



117, 123, 128



0, 0, 0



128, 128, 128

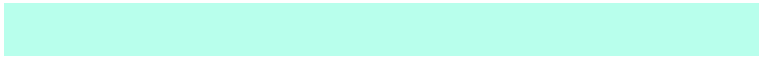


# Same Dimension

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



164, 193, 214



184, 225, 255



164, 186, 214



96, 102, 107



0, 99, 171



0, 25, 43



# Inverse Universe

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



214, 164, 178



255, 184, 203



214, 178, 164



107, 96, 99



171, 0, 47

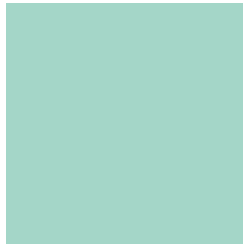


43, 0, 12



# Previews

## White Background



This preview shows how the RYB color 164, 193, 214 looks on a white background.

## Color Contrast Check

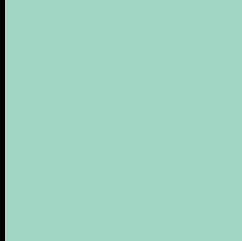
Large Text (above 18pt) WCAG AA × Fail

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 164, 193, 214 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

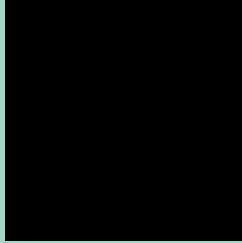
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

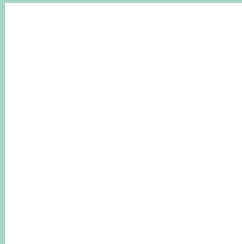
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## R Y B 164, 193, 214 Background



This preview shows how black text looks on a background with the R Y B color 164, 193, 214.

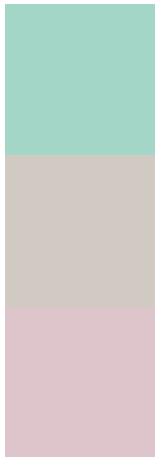


This preview shows how white text looks on a background with the R Y B color 164, 193, 214.

# 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](#).

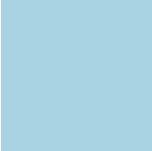
## Dichromacy



**Original Color**  
164, 193, 214

**Protanopia**  
207, 209, 194

**Deuteranopia**  
222, 197, 204



**Tritanopia**  
169, 193, 227

# Trichromacy



**Original Color**  
164, 193, 214

**Protanomaly**  
193, 204, 206

**Deuteranomaly**  
201, 202, 203

**Tritanomaly**  
167, 190, 217

# Monochromacy



**Original Color**  
164, 193, 214

**Achromatopsia**  
197, 197, 197

**Achromatomaly**  
185, 195, 203

# CSS Examples

## Text

The CSS property to change the color of the text to RGB 164, 193, 214 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(164, 214, 200) looks like.

```
.text, #text, p{  
    color:rgb(164, 214, 200)  
}
```

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(164, 214, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 214, 200) }
```

## Border

The CSS property to change the border of an element to RYB 164, 193, 214 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(164, 214, 200) }
```

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

```
.border{ border-color:rgb(164, 214, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 214, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 214, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 214, 200);  
box-shadow:4px 4px 4px 4px rgb(164, 214,  
200) }
```

# Background

The CSS property to change the background color of an element to RYB 164, 193, 214 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 214, 200) }
```

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

```
.background{ background-color: rgb(164,  
214, 200) }
```

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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