

# Converting Colors

`RYB(179, 203, 230)`

Have a look what the booklet for RYB(179, 203, 230) contains.

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# **Color**

**R<sub>Y</sub>B(179, 203, 230)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B3E0E6
RGB	179, 224, 230
RGB Percent	70%, 88%, 90%
CMY	0.2980, 0.1203, 0.0980
CMYK	0.22, 0.02, 0.00, 0.10
HSL	187°, 50%, 80%
HSV	187°, 22%, 90%
XYZ	59.6187, 68.7875, 84.9980
YIQ	211.2290, -28.7460, -7.6740

# Conversions

## Conversions Part 2

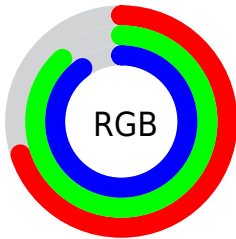
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	179, 203, 230
Decimal	11788518
CIE Lab	86.40, -13.37, -7.60
CIE LCh	86, 15.378, 209.634
Yxy	68.7875, 0.2794, 0.3223
Android (android.graphics.Color)	4289978598 (0xFFB3E0E6)
YUV	211.2290, 9.2541, -28.2648
Hunter-Lab	82.9383, -16.8304, -2.7057

# Details

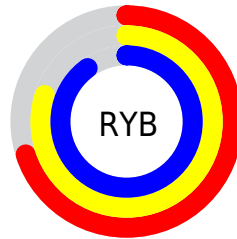
The RYB color **179, 203, 230** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **230, 186, 179**, and the grayscale version is **211, 211, 211**.

A 20% lighter version of the original color is **236, 246, 255**, and **125, 148, 175** is the 20% darker color. If you saturate the color by 10%, you get **156, 191, 230**, and if you desaturate by 10%, it is **202, 215, 230**.

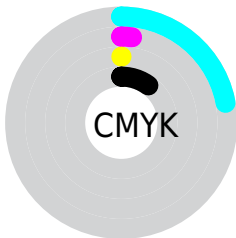
# Distribution



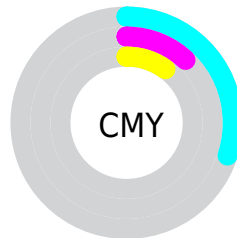
- Red (70%)
- Green (88%)
- Blue (90%)



- Red (70%)
- Yellow (80%)
- Blue (90%)



- Cyan (22%)
- Magenta (2%)
- Yellow (0%)
- Black (10%)



- Cyan (30%)
- Magenta (12%)
- Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 179, 203, 230 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 179, 203, 230 by changing the saturation by 10% instead.




 179, 203, 230


255, 255, 255

 236, 246, 255

 179, 203, 230


 152, 175, 202

 125, 148, 175


 99, 122, 148

 74, 97, 122

 49, 72, 97

 24, 48, 74


 0, 24, 51

 0, 14, 30

 0, 0, 3

 179, 203, 230


 179, 203, 230

 156, 191, 230


 202, 215, 230

 133, 179, 230


 225, 227, 230

 110, 167, 230


 248, 232, 230

 87, 154, 230


 255, 236, 230

 64, 142, 230


 255, 240, 230

 41, 130, 230

 255, 247, 230

 18, 118, 230

 255, 253, 230

 0, 108, 230

 247, 255, 230

 242, 255, 230

# Harmonies

## Analogous

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



183, 207, 225



179, 203, 230



185, 207, 241

# Triad

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



179, 203, 230



235, 208, 231



206, 228, 187

# Complementary

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



179, 203, 230



230, 186, 179

# 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, 220, 192



179, 203, 230



245, 206, 217

# Square

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



179, 203, 230



219, 213, 241



247, 208, 202



191, 220, 199

# Rectangle

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



179, 203, 230



195, 211, 244



247, 208, 202



224, 233, 188



# Sweetspot

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



179, 203, 230



237, 245, 255



179, 225, 230



117, 122, 128



0, 0, 0



128, 128, 128

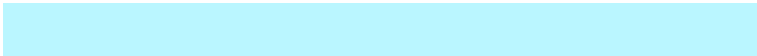


# Same Dimension

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



179, 203, 230



186, 218, 255



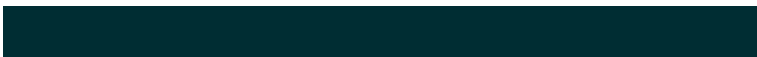
179, 193, 230



103, 108, 115



0, 84, 179



0, 24, 51



# Inverse Universe

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



230, 179, 224



255, 186, 247



212, 230, 179



115, 103, 113



179, 0, 159

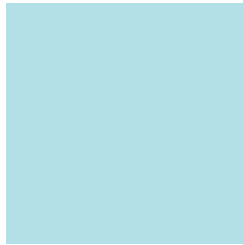


51, 0, 45



# Previews

## White Background



This preview shows how the RYB color 179, 203, 230 looks on a white background.

## Color Contrast Check

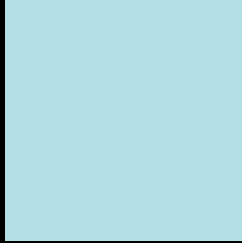
Large Text (above 18pt) WCAG AA × Fail

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 179, 203, 230 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

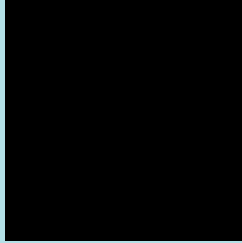
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

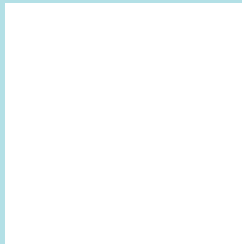
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## **RYB 179, 203, 230 Background**



This preview shows how black text looks on a background with the RYB color 179, 203, 230.



This preview shows how white text looks on a background with the RYB color 179, 203, 230.

# 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](#).

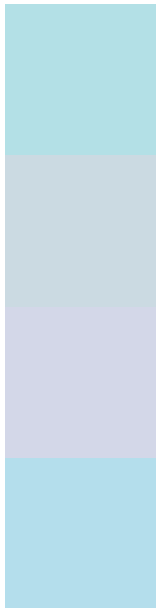
## Dichromacy





**Tritanopia**  
181, 206, 240

# Trichromacy



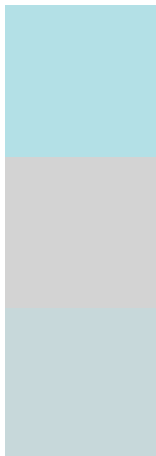
**Original Color**  
179, 203, 230

**Protanomaly**  
203, 212, 226

**Deuteranomaly**  
211, 214, 232

**Tritanomaly**  
180, 204, 236

# Monochromacy



**Original Color**  
179, 203, 230

**Achromatopsia**  
211, 211, 211

**Achromatomaly**  
199, 208, 218

# CSS Examples

## Text

The CSS property to change the color of the text to RGB 179, 203, 230 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(179, 224, 230)` looks like.

```
.text, #text, p{  
    color:rgb(179, 224, 230)  
}
```

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(179, 224, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 224, 230) }
```

## Border

The CSS property to change the border of an element to RYB 179, 203, 230 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(179, 224, 230) }
```

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

```
.border{ border-color:rgb(179, 224, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 224, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 224, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 224, 230);  
box-shadow:4px 4px 4px 4px rgb(179, 224,  
230) }
```

# Background

The CSS property to change the background color of an element to RYB 179, 203, 230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 224, 230) }
```

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

```
.background{ background-color: rgb(179,  
224, 230) }
```

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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