

# Converting Colors

`RYB(173, 203, 227)`

Have a look what the booklet for  
RYB(173, 203, 227) contains.

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# Color

**R<sub>Y</sub>B(173, 203, 227)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ADE3D8
RGB	173, 227, 216
RGB Percent	68%, 89%, 85%
CMY	0.3216, 0.1098, 0.1522
CMYK	0.24, 0.00, 0.05, 0.11
HSL	168°, 49%, 78%
HSV	168°, 24%, 89%
XYZ	57.1232, 68.7906, 75.3686
YIQ	209.6000, -28.6530, -14.8690

# Conversions

## Conversions Part 2

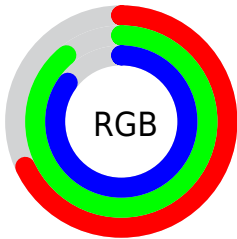
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	173, 203, 227
Decimal	11396056
CIE <sub>Lab</sub>	86.40, -19.43, -0.37
CIE <sub>LCh</sub>	86, 19.433, 181.080
Yxy	68.7906, 0.2838, 0.3418
Android (android.graphics.Color)	4289586136 (0xFFA <sub>DE</sub> 3D8)
YUV	209.6000, 3.1552, -32.0982
Hunter-Lab	82.9401, -22.2072, 4.1806

# Details

The RYB color **173, 203, 227** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **227, 173, 184**, and the grayscale version is **210, 210, 210**.

A 20% lighter version of the original color is **229, 242, 255**, and **119, 148, 171** is the 20% darker color. If you saturate the color by 10%, you get **150, 193, 227**, and if you desaturate by 10%, it is **196, 213, 227**.

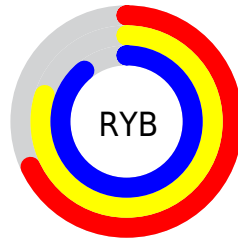
# Distribution



Red (68%)

Green (89%)

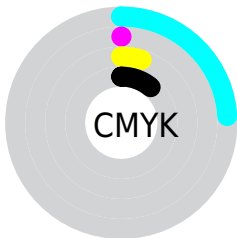
Blue (85%)



Red (68%)

Yellow (80%)

Blue (89%)

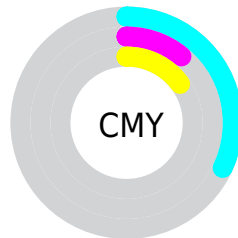


Cyan (24%)

Magenta (0%)

Yellow (5%)

Black (11%)



Cyan (32%)

Magenta (11%)

Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 173, 203, 227 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 173, 203, 227 by changing the saturation by 10% instead.




 173, 203, 227


255, 255, 255

 229, 242, 255


 173, 203, 227

 146, 176, 199

 119, 148, 171


 93, 122, 145

 68, 96, 119

 43, 71, 94

 16, 45, 70


 0, 26, 48

 0, 16, 28

 0, 0, 0

 173, 203, 227

 173, 203, 227


 150, 193, 227


 196, 213, 227

 128, 183, 227


 218, 223, 227

 105, 173, 227


 241, 227, 230

 82, 163, 227


 255, 227, 234

 60, 153, 227

 255, 227, 239

 37, 143, 227

 255, 227, 243

 14, 132, 227

 255, 227, 248

 0, 126, 227

 255, 227, 253

 255, 227, 255

# Harmonies

## Analogous

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



189, 218, 225



173, 203, 227



168, 199, 234

# Triad

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



173, 203, 227



221, 211, 248



246, 225, 185

# Complementary

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



173, 203, 227



227, 173, 184

# 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.



255, 206, 198



173, 203, 227



241, 206, 234

# Square

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



173, 203, 227



197, 212, 253



253, 203, 216



201, 230, 180

# Rectangle

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



173, 203, 227



172, 202, 244



253, 203, 216



250, 215, 188



# Sweetspot

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



173, 203, 227



237, 247, 255



173, 227, 216



117, 123, 128



0, 0, 0



128, 128, 128



# Same Dimension

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



173, 203, 227



181, 222, 255



173, 195, 227



103, 110, 115



0, 100, 179



0, 28, 51



# Inverse Universe

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



227, 173, 184



255, 181, 196



227, 196, 173



115, 103, 106



179, 0, 36

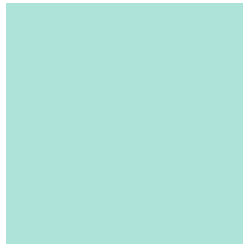


51, 0, 10



# Previews

## White Background



This preview shows how the RYB color 173, 203, 227 looks on a white background.

## Color Contrast Check

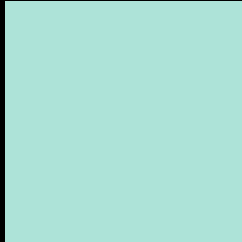
Large Text (above 18pt) WCAG AA × Fail

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 173, 203, 227 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

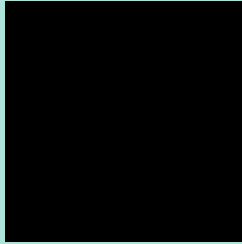
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

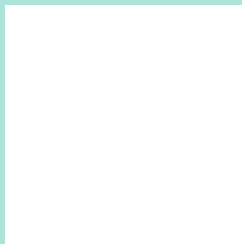
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## **RYB 173, 203, 227 Background**



This preview shows how black text looks on a background with the RYB color 173, 203, 227.



This preview shows how white text looks on a background with the RYB color 173, 203, 227.

# 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





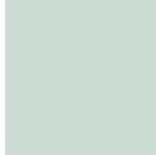
**Tritanopia**  
178, 204, 241

# Trichromacy



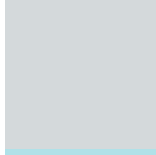
**Original Color**

173, 203, 227



**Protanomaly**

204, 214, 219



**Deuteranomaly**

212, 215, 219



**Tritanomaly**

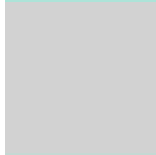
176, 202, 232

# Monochromacy



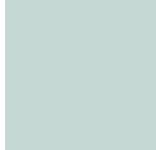
**Original Color**

173, 203, 227



**Achromatopsia**

210, 210, 210



**Achromatomaly**

197, 208, 216

# CSS Examples

## Text

The CSS property to change the color of the text to RGB 173, 203, 227 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(173, 227, 216) looks like.

```
.text, #text, p{  
    color:rgb(173, 227, 216)  
}
```

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(173, 227, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 227, 216) }
```

## Border

The CSS property to change the border of an element to RYB 173, 203, 227 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(173, 227, 216) }
```

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

```
.border{ border-color:rgb(173, 227, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 227, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 227, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 227, 216);  
box-shadow:4px 4px 4px 4px rgb(173, 227,  
216) }
```

# Background

The CSS property to change the background color of an element to RYB 173, 203, 227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 227, 216) }
```

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

```
.background{ background-color: rgb(173,  
227, 216) }
```

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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