

# Converting Colors

`RYB(172, 192, 203)`

Have a look what the booklet for  
RYB(172, 192, 203) contains.

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# **Color**

**$\text{RYB}(172, 192, 203)$**

# Conversions

## Conversions Part 1

Format	Color
Hex	ACCBBB
RGB	172, 203, 189
RGB Percent	67%, 80%, 74%
CMY	0.3255, 0.2039, 0.2586
CMYK	0.15, 0.00, 0.07, 0.20
HSL	153°, 23%, 74%
HSV	153°, 15%, 80%
XYZ	47.5599, 55.1588, 56.3126
YIQ	192.1350, -13.9820, -10.9260

# Conversions

## Conversions Part 2

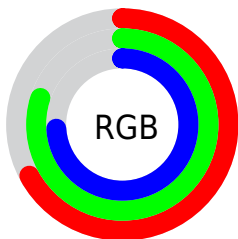
Format	Color
<a href="#">RYB</a>	<a href="#">172, 192, 203</a>
Decimal	<a href="#">11324349</a>
CIELab	<a href="#">79.13, -13.10, 3.48</a>
CIELCh	<a href="#">79, 13.558, 165.112</a>
Yxy	<a href="#">55.1588, 0.2991, 0.3468</a>
Android (android.graphics.Color)	<a href="#">4289514429 (0xFFACCBBB)</a>
YUV	<a href="#">192.1350, -1.5456, -17.6584</a>
Hunter-Lab	<a href="#">74.2690, -15.6640, 7.0331</a>

# Details

The RYB color **172, 192, 203** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **203, 172, 186**, and the grayscale version is **192, 192, 192**.

A 20% lighter version of the original color is **228, 245, 255**, and **119, 138, 149** is the 20% darker color. If you saturate the color by 10%, you get **152, 185, 203**, and if you desaturate by 10%, it is **192, 199, 203**.

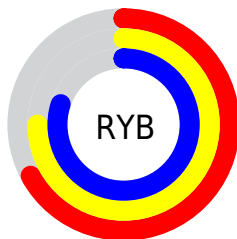
# Distribution



Red (67%)

Green (80%)

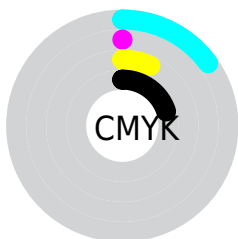
Blue (74%)



Red (67%)

Yellow (75%)

Blue (80%)

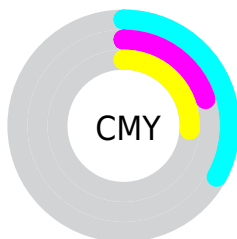


Cyan (15%)

Magenta (0%)

Yellow (7%)

Black (20%)



Cyan (33%)

Magenta (20%)

Yellow (26%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 172, 192, 203 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 172, 192, 203 by changing the saturation by 10% instead.



 172, 192, 203


255, 255, 255

 228, 245, 255

 172, 192, 203

 145, 165, 176

 119, 138, 149

 94, 113, 123

 70, 88, 98

 47, 64, 74

 25, 41, 51

 3, 19, 30


 0, 0, 0

 172, 192, 203


 172, 192, 203

 152, 185, 203


 192, 199, 203

 131, 177, 203


 213, 203, 207

 111, 170, 203


 233, 203, 216

 91, 163, 203


 253, 203, 226

 71, 156, 203


 255, 203, 235

 50, 149, 203


 255, 203, 244

 30, 142, 203

 255, 203, 253

 10, 135, 203

 255, 203, 255

 0, 131, 203

# Harmonies

## Analogous

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



178, 201, 194



172, 192, 203



165, 184, 203

# Triad

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



172, 192, 203



191, 195, 220



221, 192, 179

# Complementary

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



172, 192, 203



203, 172, 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.



223, 187, 190



172, 192, 203



206, 191, 214

# Square

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



172, 192, 203



175, 191, 220



218, 188, 203



208, 212, 172

# Rectangle

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



172, 192, 203



164, 185, 210



218, 188, 203



222, 190, 182

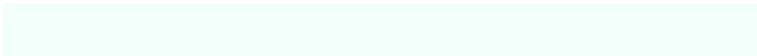


# Sweetspot

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



172, 192, 203



242, 250, 255



172, 203, 189



120, 125, 128



0, 0, 0



128, 128, 128

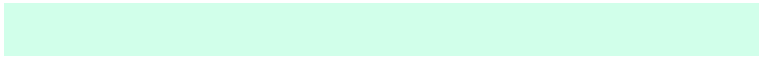


# Same Dimension

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



172, 192, 203



209, 239, 255



172, 187, 203



92, 99, 102



0, 107, 166



0, 24, 38



# Inverse Universe

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



203, 172, 186



255, 209, 230



203, 174, 172



102, 92, 96



166, 0, 75



38, 0, 17



# Previews

## White Background



This preview shows how the RYB color 172, 192, 203 looks on a white background.

## Color Contrast Check

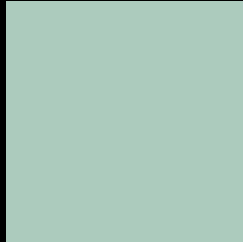
Large Text (above 18pt) WCAG AA × Fail

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 172, 192, 203 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

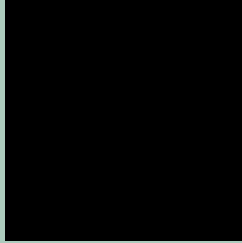
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

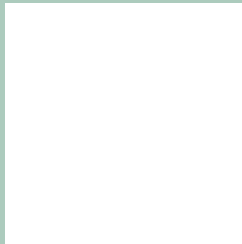
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## RYB 172, 192, 203 Background



This preview shows how black text looks on a background with the RYB color 172, 192, 203.



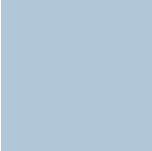
This preview shows how white text looks on a background with the RYB color 172, 192, 203.

# 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**  
177, 191, 215

# Trichromacy



**Original Color**

172, 192, 203

**Protanomaly**

186, 198, 193

**Deuteranomaly**

200, 196, 191

**Tritanomaly**

175, 189, 206

# Monochromacy



**Original Color**

172, 192, 203

**Achromatopsia**

192, 192, 192

**Achromatomaly**

185, 192, 196

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 172, 192, 203 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(172, 203, 189)` looks like.

```
.text, #text, p{  
    color:rgb(172, 203, 189)  
}
```

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(172, 203, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 203, 189) }
```

## Border

The CSS property to change the border of an element to RYB 172, 192, 203 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(172, 203, 189) }
```

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

```
.border{ border-color:rgb(172, 203, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 203, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 203, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 203, 189);  
box-shadow:4px 4px 4px 4px rgb(172, 203,  
189) }
```

# Background

The CSS property to change the background color of an element to RYB 172, 192, 203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 203, 189) }
```

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

```
.background{ background-color: rgb(172,  
203, 189) }
```

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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