

# Converting Colors

`RYB(172, 203, 212)`

Have a look what the booklet for  
RYB(172, 203, 212) contains.

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# **Color**

**R<sub>Y</sub>B(172, 203, 212)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	ACD4B8
RGB	172, 212, 184
RGB Percent	67%, 83%, 72%
CMY	0.3255, 0.1686, 0.2799
CMYK	0.19, 0.00, 0.13, 0.17
HSL	137°, 32%, 75%
HSV	137°, 19%, 83%
XYZ	49.1679, 59.3021, 53.9900
YIQ	196.8480, -14.8520, -17.1880

# Conversions

## Conversions Part 2

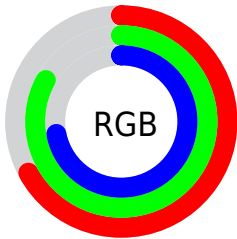
Format	Color
<a href="#">RYB</a>	<a href="#">172, 203, 212</a>
Decimal	<a href="#">11326648</a>
CIELab	<a href="#">81.46, -18.70, 9.73</a>
CIElCh	<a href="#">81, 21.079, 152.510</a>
Yxy	<a href="#">59.3021, 0.3026, 0.3650</a>
Android (android.graphics.Color)	<a href="#">4289516728 (0xFFACD4B8)</a>
YUV	<a href="#">196.8480, -6.3341, -21.7917</a>
Hunter-Lab	<a href="#">77.0079, -20.7952, 12.3375</a>

# Details

The RYB color **172, 203, 212** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **212, 172, 200**, and the grayscale version is **197, 197, 197**.

A 20% lighter version of the original color is **228, 247, 255**, and **119, 148, 157** is the 20% darker color. If you saturate the color by 10%, you get **151, 198, 212**, and if you desaturate by 10%, it is **193, 207, 212**.

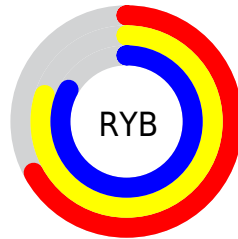
# Distribution



Red (67%)

Green (83%)

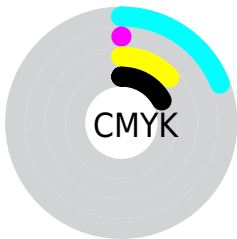
Blue (72%)



Red (67%)

Yellow (80%)

Blue (83%)

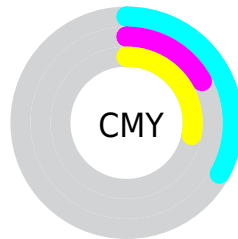


Cyan (19%)

Magenta (0%)

Yellow (13%)

Black (17%)



Cyan (33%)

Magenta (17%)

Yellow (28%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 172, 203, 212 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, 203, 212 by changing the saturation by 10% instead.




 172, 203, 212


255, 255, 255

 228, 247, 255

 172, 203, 212


 145, 175, 184

 119, 148, 157

 94, 123, 131

 70, 98, 106

 46, 72, 81

 23, 48, 58


 1, 26, 36

 0, 10, 10


 0, 0, 0

 172, 203, 212

 172, 203, 212

 151, 198, 212


 193, 207, 212

 130, 193, 212


 214, 212, 214

 108, 189, 212


 236, 212, 229


 87, 184, 212

 255, 212, 244

 66, 179, 212

 255, 212, 255

 45, 175, 212

 24, 170, 212

 2, 165, 212

 0, 164, 212

# Harmonies

## Analogous

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



169, 208, 183



172, 203, 212



155, 188, 214

# Triad

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



172, 203, 212



182, 198, 241



243, 191, 182

# Complementary

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



172, 203, 212



212, 172, 200

# 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.



242, 189, 201



172, 203, 212



208, 197, 236

# Square

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



172, 203, 212



160, 190, 237



230, 191, 221



234, 214, 168

# Rectangle

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



172, 203, 212



149, 182, 217



230, 191, 221



244, 189, 188



# Sweetspot

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



172, 203, 212



240, 252, 255



172, 212, 183



119, 126, 128



0, 0, 0



128, 128, 128

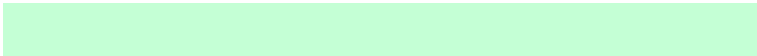


# Same Dimension

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



172, 203, 212



196, 242, 255



172, 195, 212



96, 105, 107



0, 132, 171



0, 33, 43



# Inverse Universe

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



212, 172, 200



255, 196, 238



212, 172, 181



107, 96, 104



171, 0, 121

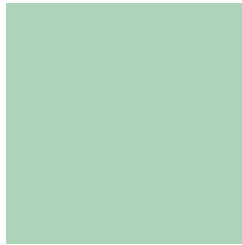


43, 0, 31



# Previews

## White Background



This preview shows how the RYB color 172, 203, 212 looks on a white background.

## Color Contrast Check

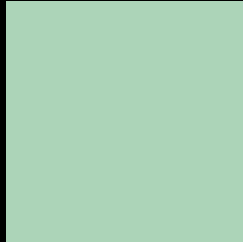
Large Text (above 18pt) WCAG AA × Fail

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, 203, 212 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

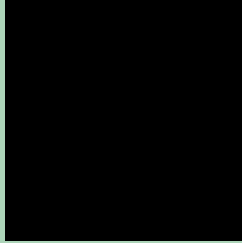
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## RYB 172, 203, 212 Background



This preview shows how black text looks on a background with the RYB color 172, 203, 212.

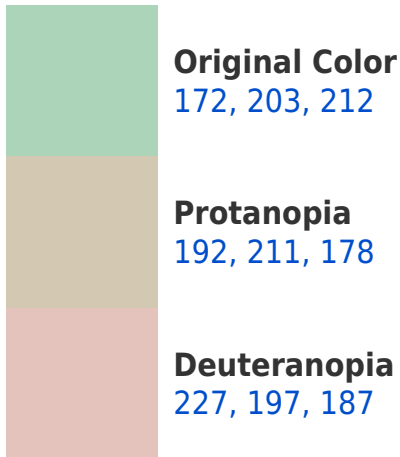


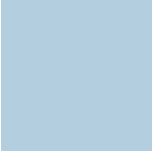
This preview shows how white text looks on a background with the RYB color 172, 203, 212.

# 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**  
179, 196, 223

# Trichromacy



**Original Color**

172, 203, 212

**Protanomaly**

180, 205, 188

**Deuteranomaly**

194, 207, 186

**Tritanomaly**

176, 192, 209

# Monochromacy



**Original Color**

172, 203, 212

**Achromatopsia**

197, 197, 197

**Achromatomaly**

188, 199, 202

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 172, 203, 212 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, 212, 184)` looks like.

```
.text, #text, p{  
    color:rgb(172, 212, 184)  
}
```

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, 212, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 212, 184) }
```

## Border

The CSS property to change the border of an element to RYB 172, 203, 212 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, 212, 184) }
```

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

```
.border{ border-color:rgb(172, 212, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 212, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 212, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 212, 184);  
box-shadow:4px 4px 4px 4px rgb(172, 212,  
184) }
```

# Background

The CSS property to change the background color of an element to RYB 172, 203, 212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 212, 184) }
```

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

```
.background{ background-color: rgb(172,  
212, 184) }
```

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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