

# Converting Colors

`RYB(172, 202, 213)`

Have a look what the booklet for  
RYB(172, 202, 213) contains.

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# **Color**

**R<sub>Y</sub>B(172, 202, 213)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ACD5BB
RGB	172, 213, 187
RGB Percent	67%, 84%, 73%
CMY	0.3255, 0.1647, 0.2665
CMYK	0.19, 0.00, 0.12, 0.16
HSL	142°, 33%, 75%
HSV	142°, 19%, 84%
XYZ	49.7807, 59.9484, 55.9799
YIQ	197.7770, -16.0900, -16.7780

# Conversions

## Conversions Part 2

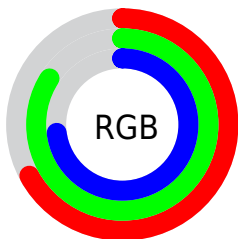
Format	Color
<b>RYB</b>	172, 202, 213
Decimal	11326907
CIELab	81.81, -18.56, 8.42
CIElCh	82, 20.378, 155.605
Yxy	59.9484, 0.3004, 0.3618
Android (android.graphics.Color)	4289516987 (0xFFACD5BB)
YUV	197.7770, -5.3131, -22.6064
Hunter-Lab	77.4264, -20.7309, 11.3313

# Details

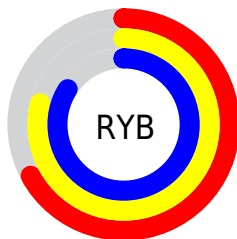
The RYB color **172, 202, 213** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **213, 172, 198**, and the grayscale version is **198, 198, 198**.

A 20% lighter version of the original color is **228, 245, 255**, and **119, 147, 158** is the 20% darker color. If you saturate the color by 10%, you get **151, 196, 213**, and if you desaturate by 10%, it is **193, 207, 213**.

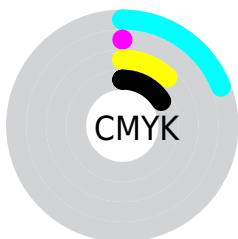
# Distribution



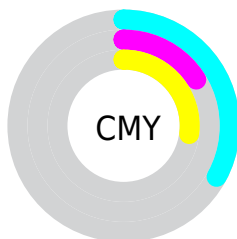
- Red (67%)
- Green (84%)
- Blue (73%)



- Red (67%)
- Yellow (79%)
- Blue (84%)



- Cyan (19%)
- Magenta (0%)
- Yellow (12%)
- Black (16%)



- Cyan (33%)
- Magenta (16%)
- Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 172, 202, 213 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, 202, 213 by changing the saturation by 10% instead.



 172, 202, 213


255, 255, 255

 228, 245, 255

 172, 202, 213

 145, 174, 185


 119, 147, 158


 94, 121, 132

 70, 97, 107

 46, 71, 82

 23, 48, 59


 1, 25, 37

 0, 12, 12


 0, 0, 0

 172, 202, 213

 172, 202, 213

 151, 196, 213


 193, 207, 213

 129, 190, 213


 215, 213, 214

 108, 185, 213


 236, 213, 228

 87, 179, 213


 255, 213, 241


 66, 174, 213


 255, 213, 254

 44, 168, 213

 255, 213, 255

 23, 162, 213

 2, 157, 213

 0, 156, 213

# Harmonies

## Analogous

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



172, 209, 188



172, 202, 213



156, 188, 215

# Triad

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



172, 202, 213



186, 200, 241



242, 194, 182

# Complementary

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



172, 202, 213



213, 172, 198

# 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, 190, 200



172, 202, 213



211, 197, 234

# Square

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



172, 202, 213



164, 192, 238



232, 192, 220



232, 219, 169

# Rectangle

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



172, 202, 213



152, 184, 219



232, 192, 220



243, 191, 188



# Sweetspot

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



172, 202, 213



240, 251, 255



172, 213, 187



119, 126, 128



0, 0, 0



128, 128, 128

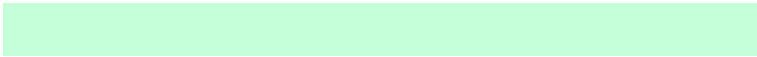


# Same Dimension

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



172, 202, 213



196, 239, 255



172, 194, 213



96, 104, 107



0, 125, 171



0, 31, 43



# Inverse Universe

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



213, 172, 198



255, 196, 233



213, 172, 177



107, 96, 103



171, 0, 108

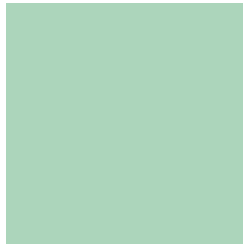


43, 0, 27



# Previews

## White Background



This preview shows how the RYB color 172, 202, 213 looks on a white background.

## Color Contrast Check

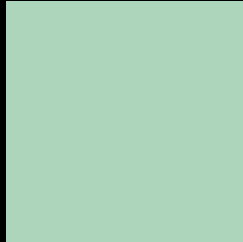
Large Text (above 18pt) WCAG AA × Fail

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, 202, 213 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

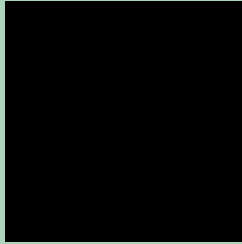
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## **RYB 172, 202, 213 Background**



This preview shows how black text looks on a background with the RYB color 172, 202, 213.

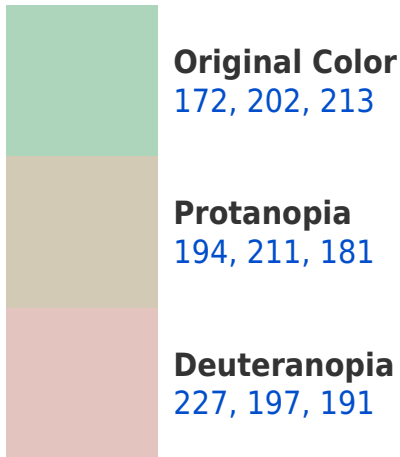


This preview shows how white text looks on a background with the RYB color 172, 202, 213.

# 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, 197, 224

# Trichromacy



**Original Color**

172, 202, 213

**Protanomaly**

183, 206, 192

**Deuteranomaly**

197, 207, 190

**Tritanomaly**

176, 193, 211

# Monochromacy



**Original Color**

172, 202, 213

**Achromatopsia**

198, 198, 198

**Achromatomaly**

189, 199, 203

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 172, 202, 213 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, 213, 187)` looks like.

```
.text, #text, p{  
    color:rgb(172, 213, 187)  
}
```

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, 213, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 213, 187) }
```

## Border

The CSS property to change the border of an element to RYB 172, 202, 213 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, 213, 187) }
```

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

```
.border{ border-color:rgb(172, 213, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 213, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(172, 213, 187); -webkit-box-shadow:4px 4px 4px 4px rgb(172, 213, 187); box-shadow:4px 4px 4px 4px rgb(172, 213, 187) }
```

# Background

The CSS property to change the background color of an element to RYB 172, 202, 213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 213, 187) }
```

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

```
.background{ background-color: rgb(172,  
213, 187) }
```

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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