

# Converting Colors

`RYB(120, 176, 202)`

Have a look what the booklet for  
RYB(120, 176, 202) contains.

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# Color

**R<sub>Y</sub>B(120, 176, 202)**

# Conversions

## Conversions Part 1

Format	Color
Hex	78CA9E
RGB	120, 202, 158
RGB Percent	47%, 79%, 62%
CMY	0.5294, 0.2078, 0.3801
CMYK	0.41, 0.00, 0.22, 0.21
HSL	148°, 44%, 63%
HSV	148°, 41%, 79%
XYZ	35.0440, 48.7052, 39.9340
YIQ	172.4660, -34.7480, -31.0680

# Conversions

## Conversions Part 2

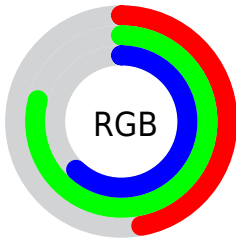
Format	Color
<a href="#">RYB</a>	<a href="#">120, 176, 202</a>
Decimal	<a href="#">7916190</a>
CIELab	<a href="#">75.27, -34.86, 14.20</a>
CIELCh	<a href="#">75, 37.642, 157.842</a>
Yxy	<a href="#">48.7052, 0.2833, 0.3938</a>
Android (android.graphics.Color)	<a href="#">4286106270 (0xFF78CA9E)</a>
YUV	<a href="#">172.4660, -7.1317, -46.0127</a>
Hunter-Lab	<a href="#">69.7891, -32.4988, 14.9261</a>

# Details

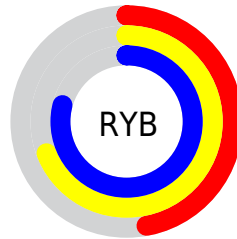
The RYB color **120, 176, 202** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **202, 120, 164**, and the grayscale version is **173, 173, 173**.

A 20% lighter version of the original color is **175, 229, 255**, and **66, 120, 147** is the 20% darker color. If you saturate the color by 10%, you get **100, 170, 202**, and if you desaturate by 10%, it is **140, 182, 202**.

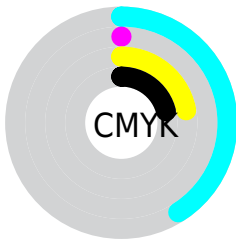
# Distribution



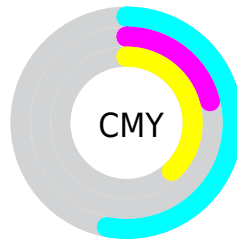
- Red (47%)
- Green (79%)
- Blue (62%)



- Red (47%)
- Yellow (69%)
- Blue (79%)



- Cyan (41%)
- Magenta (0%)
- Yellow (22%)
- Black (21%)




- Cyan (53%)
- Magenta (21%)
- Yellow (38%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 120, 176, 202 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 120, 176, 202 by changing the saturation by 10% instead.




 120, 176, 202


255, 255, 255


 175, 229, 255

 204, 234, 255

 233, 244, 255

 120, 176, 202

 93, 148, 174

 66, 120, 147

 37, 92, 121

 0, 59, 96

 0, 48, 72

 0, 36, 48


 0, 27, 27


 0, 0, 0


 120, 176, 202


 120, 176, 202


 100, 170, 202


 140, 182, 202


 80, 164, 202

 160, 188, 202


 59, 156, 202

 181, 195, 202


 39, 150, 202

 201, 202, 202

 19, 144, 202

 221, 202, 212

 0, 138, 202

 241, 202, 223

 255, 202, 234

 255, 202, 245

 255, 202, 255

# Harmonies

## Analogous

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



129, 196, 163



120, 176, 202



76, 143, 204

# Triad

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



120, 176, 202



151, 177, 254



250, 169, 144

# Complementary

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



120, 176, 202



202, 120, 164

# 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.



253, 159, 177



120, 176, 202



201, 173, 240

# Square

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



120, 176, 202



94, 156, 249



237, 162, 212



230, 222, 122

# Rectangle

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



120, 176, 202



55, 132, 217



237, 162, 212



253, 161, 155

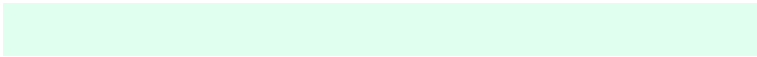


# Sweetspot

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



120, 176, 202



224, 245, 255



120, 202, 157



110, 122, 128



0, 0, 0



128, 128, 128



# Same Dimension

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



120, 176, 202



130, 215, 255



120, 162, 202



92, 99, 102



0, 113, 166



0, 26, 38



# Inverse Universe

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



202, 120, 164



255, 130, 197



202, 120, 124



102, 92, 97



166, 0, 89

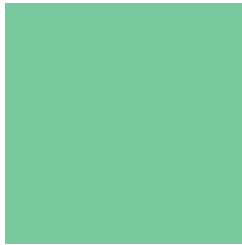


38, 0, 20



# Previews

## White Background



This preview shows how the RYB color 120, 176, 202 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 120, 176, 202 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 120, 176, 202 Background



This preview shows how black text looks on a background with the RYB color 120, 176, 202.

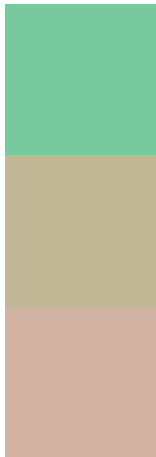


This preview shows how white text looks on a background with the RYB color 120, 176, 202.

# 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](#).

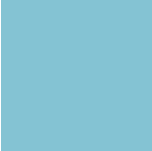
## Dichromacy



**Original Color**  
120, 176, 202

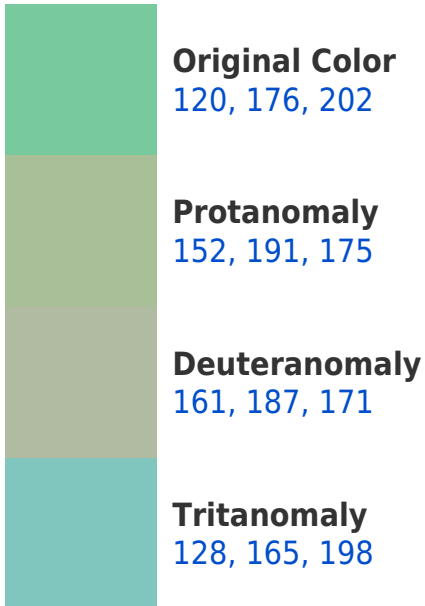
**Protanopia**  
163, 195, 149

**Deuteranopia**  
210, 185, 163

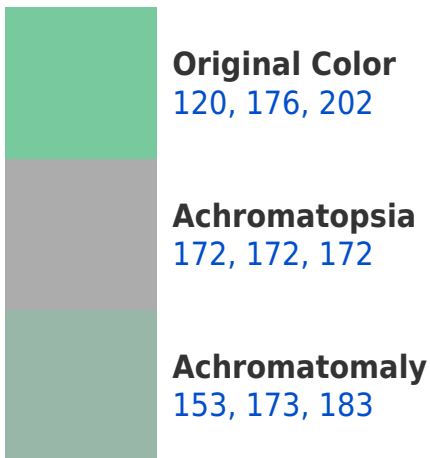


**Tritanopia**  
132, 167, 211

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to RYB 120, 176, 202 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(120, 202, 158)` looks like.

```
.text, #text, p{  
    color:rgb(120, 202, 158)  
}
```

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(120, 202, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 202, 158) }
```

## Border

The CSS property to change the border of an element to RYB 120, 176, 202 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(120, 202, 158) }
```

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

```
.border{ border-color:rgb(120, 202, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 202, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(120, 202, 158); -webkit-box-shadow:4px 4px 4px 4px rgb(120, 202, 158); box-shadow:4px 4px 4px 4px rgb(120, 202, 158) }
```

# Background

The CSS property to change the background color of an element to RYB 120, 176, 202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 202, 158) }
```

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

```
.background{ background-color: rgb(120,  
202, 158) }
```

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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