

# Converting Colors

`RYB(144, 176, 198)`

Have a look what the booklet for RYB(144, 176, 198) contains.

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# Color

**$\text{RYB}(144, 176, 198)$**

# Conversions

## Conversions Part 1

Format	Color
Hex	90C6B5
RGB	144, 198, 181
RGB Percent	56%, 78%, 71%
CMY	0.4353, 0.2235, 0.2897
CMYK	0.27, 0.00, 0.09, 0.22
HSL	161°, 32%, 67%
HSV	161°, 27%, 78%
XYZ	40.0490, 49.6588, 51.2576
YIQ	179.9160, -26.7270, -16.7350

# Conversions

## Conversions Part 2

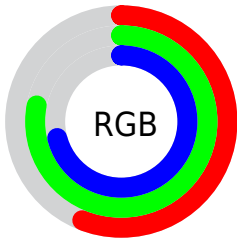
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">144, 176, 198</a>
Decimal	<a href="#">9488053</a>
CIELab	<a href="#">75.86, -21.10, 2.79</a>
CIElCh	<a href="#">76, 21.282, 172.454</a>
Yxy	<a href="#">49.6588, 0.2841, 0.3523</a>
Android (android.graphics.Color)	<a href="#">4287678133</a> ( <a href="#">0xFF90C6B5</a> )
YUV	<a href="#">179.9160, 0.5344, -31.4983</a>
Hunter-Lab	<a href="#">70.4690, -21.8754, 6.2020</a>

# Details

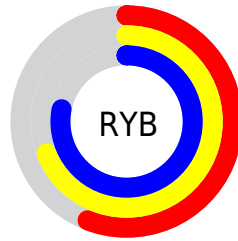
The RYB color **144, 176, 198** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **198, 144, 161**, and the grayscale version is **180, 180, 180**.

A 20% lighter version of the original color is **199, 232, 255**, and **92, 123, 144** is the 20% darker color. If you saturate the color by 10%, you get **124, 168, 198**, and if you desaturate by 10%, it is **164, 184, 198**.

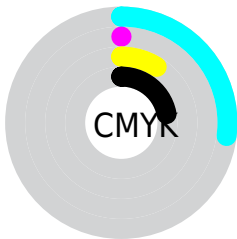
# Distribution



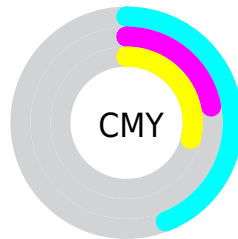
- Red (56%)
- Green (78%)
- Blue (71%)



- Red (56%)
- Yellow (69%)
- Blue (78%)



- Cyan (27%)
- Magenta (0%)
- Yellow (9%)
- Black (22%)




- Cyan (44%)
- Magenta (22%)
- Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 144, 176, 198 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 144, 176, 198 by changing the saturation by 10% instead.





 144, 176, 198


255, 255, 255

 199, 232, 255

 227, 241, 255

 144, 176, 198

 118, 150, 171


 92, 123, 144

 67, 97, 118


 42, 72, 93


 15, 46, 69


 0, 27, 47

 0, 19, 28


 0, 0, 0


 144, 176, 198


 144, 176, 198

 124, 168, 198


 164, 184, 198

 104, 160, 198


 184, 192, 198


 85, 152, 198


 203, 198, 200

 65, 144, 198

 223, 198, 206

 45, 136, 198

 243, 198, 212

 25, 127, 198

 255, 198, 218

 5, 119, 198

 255, 198, 224

 0, 117, 198

 255, 198, 231

 255, 198, 237

# Harmonies

## Analogous

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



163, 195, 194



144, 176, 198



133, 166, 201

# Triad

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



144, 176, 198



184, 184, 223



222, 188, 157

# Complementary

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



144, 176, 198



198, 144, 161

# 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.



228, 174, 173



144, 176, 198



208, 177, 211

# Square

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



144, 176, 198



158, 180, 225



223, 174, 193



186, 207, 148

# Rectangle

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



144, 176, 198



135, 170, 213



223, 174, 193



225, 181, 161



# Sweetspot

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



144, 176, 198



235, 247, 255



144, 198, 181



115, 123, 128



0, 0, 0



128, 128, 128

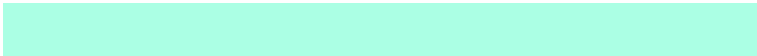


# Same Dimension

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



144, 176, 198



171, 221, 255



144, 168, 198



90, 95, 99



0, 97, 163



0, 21, 36



# Inverse Universe

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



198, 144, 161



255, 171, 197



198, 156, 144



99, 90, 93



163, 0, 51



36, 0, 11



# Previews

## White Background



This preview shows how the RYB color 144, 176, 198 looks on a white background.

## Color Contrast Check

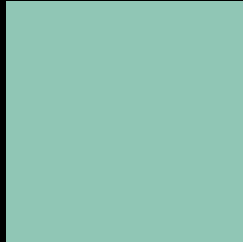
Large Text (above 18pt) WCAG AA × Fail

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 144, 176, 198 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](#).



## R Y B 144, 176, 198 Background



This preview shows how black text looks on a background with the R Y B color 144, 176, 198.

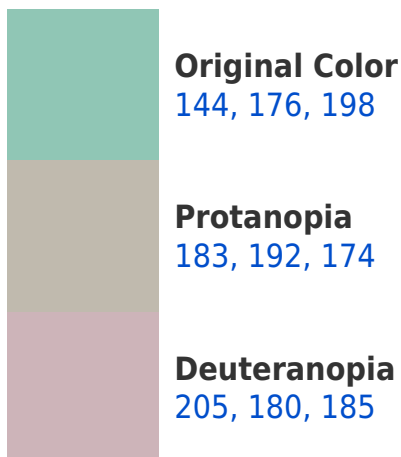


This preview shows how white text looks on a background with the R Y B color 144, 176, 198.

# 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](#).

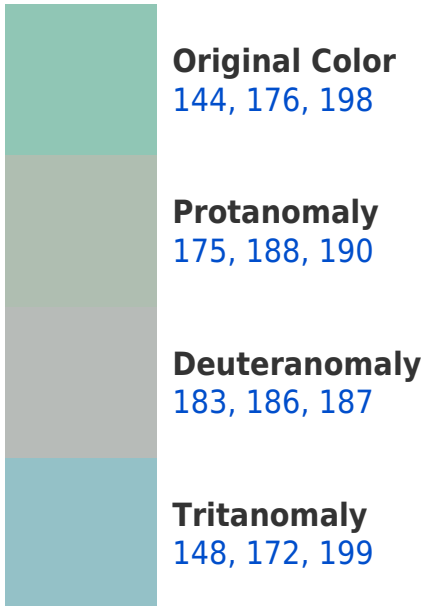
## Dichromacy



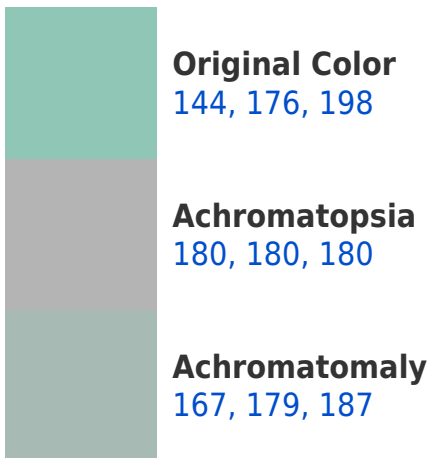


**Tritanopia**  
150, 175, 209

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to RYB 144, 176, 198 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(144, 198, 181)` looks like.

```
.text, #text, p{  
    color:rgb(144, 198, 181)  
}
```

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(144, 198, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 198, 181) }
```

## Border

The CSS property to change the border of an element to RYB 144, 176, 198 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(144, 198, 181) }
```

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

```
.border{ border-color:rgb(144, 198, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 198, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 198, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 198, 181);  
box-shadow:4px 4px 4px 4px rgb(144, 198,  
181) }
```

# Background

The CSS property to change the background color of an element to RYB 144, 176, 198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 198, 181) }
```

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

```
.background{ background-color: rgb(144,  
198, 181) }
```

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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