

# Converting Colors

`RYB(128, 161, 173)`

Have a look what the booklet for  
RYB(128, 161, 173) contains.

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# Color

**R<sub>Y</sub>B(128, 161, 173)**

# Conversions

## Conversions Part 1

Format	Color
Hex	80AD90
RGB	128, 173, 144
RGB Percent	50%, 68%, 56%
CMY	0.4980, 0.3216, 0.4339
CMYK	0.26, 0.00, 0.17, 0.32
HSL	142°, 22%, 59%
HSV	142°, 26%, 68%
XYZ	28.9075, 36.5011, 32.0533
YIQ	156.2390, -17.5110, -18.5590

# Conversions

## Conversions Part 2

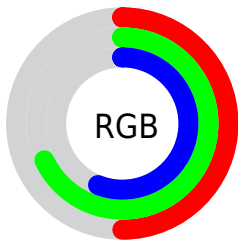
Format	Color
<a href="#">RYB</a>	<a href="#">128, 161, 173</a>
Decimal	<a href="#">8433040</a>
CIELab	<a href="#">66.90, -21.08, 9.89</a>
CIElCh	<a href="#">67, 23.286, 154.875</a>
Yxy	<a href="#">36.5011, 0.2966, 0.3745</a>
Android (android.graphics.Color)	<a href="#">4286623120 (0xFF80AD90)</a>
YUV	<a href="#">156.2390, -6.0338, -24.7656</a>
Hunter-Lab	<a href="#">60.4161, -20.3206, 10.8354</a>

# Details

The RYB color **128, 161, 173** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **173, 128, 157**, and the grayscale version is **156, 156, 156**.

A 20% lighter version of the original color is **182, 217, 229**, and **77, 108, 120** is the 20% darker color. If you saturate the color by 10%, you get **111, 157, 173**, and if you desaturate by 10%, it is **145, 166, 173**.

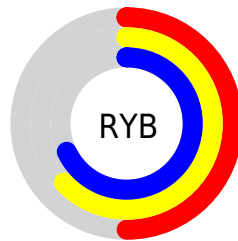
# Distribution



Red (50%)

Green (68%)

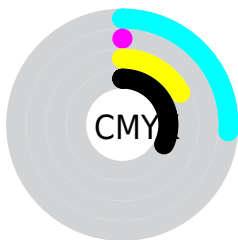
Blue (56%)



Red (50%)

Yellow (63%)

Blue (68%)

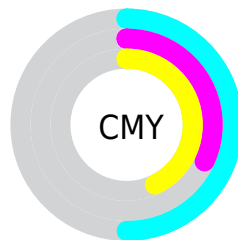


Cyan (26%)

Magenta (0%)

Yellow (17%)

Black (32%)



Cyan (50%)

Magenta (32%)

Yellow (43%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 128, 161, 173 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 128, 161, 173 by changing the saturation by 10% instead.



 128, 161, 173

255, 255, 255


 182, 217, 229

 210, 243, 255

 238, 247, 255

 128, 161, 173

 102, 134, 146

 77, 108, 120

 53, 83, 95


 30, 59, 72

 4, 34, 49

 0, 29, 29


 0, 0, 0

 128, 161, 173


 111, 157, 173


 128, 161, 173


 145, 166, 173

 93, 152, 173


 163, 171, 173

 76, 147, 173


 180, 173, 177


 59, 143, 173

 197, 173, 188

 41, 138, 173

 215, 173, 199

 24, 133, 173

 232, 173, 210

 7, 129, 173

 249, 173, 221

 0, 127, 173

 255, 173, 232

 255, 173, 243

# Harmonies

## Analogous

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



128, 169, 145



128, 161, 173



109, 144, 175

# Triad

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



128, 161, 173



142, 158, 204



204, 152, 140

# Complementary

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



128, 161, 173



173, 128, 157

# 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.



204, 148, 160



128, 161, 173



171, 156, 197

# Square

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



128, 161, 173



115, 148, 200



193, 150, 181



193, 179, 125

# Rectangle

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



128, 161, 173



102, 139, 180



193, 150, 181



206, 149, 146



# Sweetspot

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



128, 161, 173



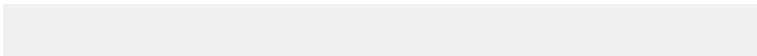
206, 219, 224



128, 173, 144



101, 109, 112



240, 240, 240



112, 112, 112



# Same Dimension

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



128, 161, 173



155, 206, 224



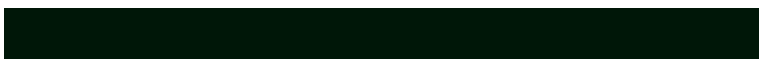
128, 152, 173



78, 85, 87



0, 110, 150



0, 17, 23



# Inverse Universe

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



173, 128, 157



224, 155, 199



173, 128, 135



87, 78, 84



150, 0, 96



23, 0, 15



# Previews

## White Background



This preview shows how the RYB color 128, 161, 173 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 128, 161, 173 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

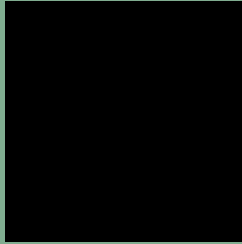
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## RYB 128, 161, 173 Background



This preview shows how black text looks on a background with the RYB color 128, 161, 173.

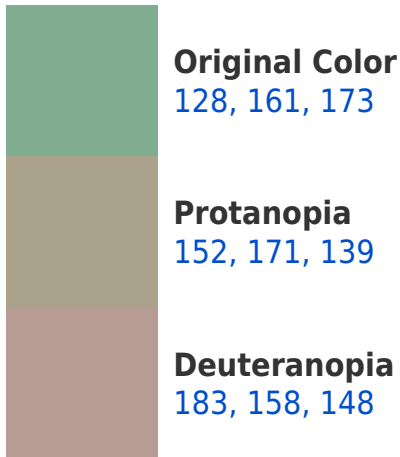


This preview shows how white text looks on a background with the RYB color 128, 161, 173.

# 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**  
135, 154, 181

# Trichromacy



**Original Color**  
128, 161, 173

**Protanomaly**  
141, 166, 152

**Deuteranomaly**  
148, 163, 147

**Tritanomaly**  
132, 152, 170

# Monochromacy



**Original Color**  
128, 161, 173

**Achromatopsia**  
156, 156, 156

**Achromatomaly**  
146, 158, 162

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 128, 161, 173 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(128, 173, 144)` looks like.

```
.text, #text, p{  
    color:rgb(128, 173, 144)  
}
```

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(128, 173, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 173, 144) }
```

## Border

The CSS property to change the border of an element to RYB 128, 161, 173 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(128, 173, 144) }
```

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

```
.border{ border-color:rgb(128, 173, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 173, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 173, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 173, 144);  
box-shadow:4px 4px 4px 4px rgb(128, 173,  
144) }
```

# Background

The CSS property to change the background color of an element to RYB 128, 161, 173 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 173, 144) }
```

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

```
.background{ background-color: rgb(128,  
173, 144) }
```

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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