

Converting Colors

`RYB(128, 158, 181)`

Have a look what the booklet for
RYB(128, 158, 181) contains.

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Color

R_YB(128, 158, 181)

Conversions

Conversions Part 1

Format	Color
Hex	80B5A9
RGB	128, 181, 169
RGB Percent	50%, 71%, 66%
CMY	0.4980, 0.2902, 0.3387
CMYK	0.29, 0.00, 0.07, 0.29
HSL	166°, 26%, 61%
HSV	166°, 29%, 71%
XYZ	32.5530, 40.4878, 43.4551
YIQ	163.7850, -27.7360, -14.9680

Conversions

Conversions Part 2

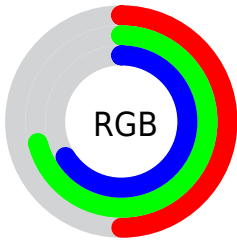
Format	Color
RYB	128, 158, 181
Decimal	8435113
CIELab	69.82, -20.07, 0.71
CIElCh	70, 20.079, 177.981
Yxy	40.4878, 0.2794, 0.3475
Android (android.graphics.Color)	4286625193 (0xFF80B5A9)
YUV	163.7850, 2.5710, -31.3834
Hunter-Lab	63.6300, -20.0322, 4.0498

Details

The RYB color **128, 158, 181** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **181, 128, 140**, and the grayscale version is **164, 164, 164**.

A 20% lighter version of the original color is **182, 213, 237**, and **77, 106, 128** is the 20% darker color. If you saturate the color by 10%, you get **110, 150, 181**, and if you desaturate by 10%, it is **146, 166, 181**.

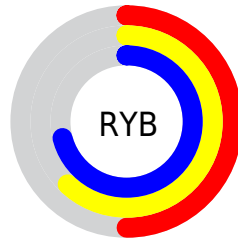
Distribution



Red (50%)

Green (71%)

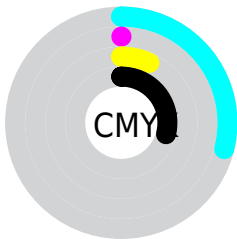
Blue (66%)



Red (50%)

Yellow (62%)

Blue (71%)

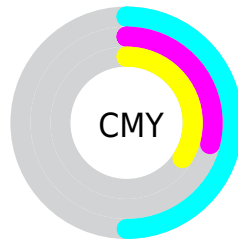


Cyan (29%)

Magenta (0%)

Yellow (7%)

Black (29%)



Cyan (50%)

Magenta (29%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the RYB color 128, 158, 181 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, 158, 181 by changing the saturation by 10% instead.

 128, 158, 181


255, 255, 255


 182, 213, 237

 210, 233, 255

 239, 247, 255

 128, 158, 181

 102, 131, 154

 77, 106, 128


 52, 81, 103

 26, 54, 78


 0, 30, 55

 0, 19, 34

 0, 0, 0

 128, 158, 181

 110, 150, 181

 128, 158, 181

 146, 166, 181

■ 92, 142, 181

■ 164, 174, 181

■ 74, 135, 181

■ 182, 181, 181

■ 56, 127, 181

■ 200, 181, 186

■ 37, 118, 181

■ 219, 181, 190

■ 19, 111, 181

■ 237, 181, 194

■ 1, 103, 181

■ 255, 181, 198

■ 0, 102, 181

■ 255, 181, 202

■ 255, 181, 207

Harmonies

Analogous

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



145, 174, 179



128, 158, 181



120, 152, 187

Triad

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



128, 158, 181



172, 166, 203



201, 177, 140

Complementary

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



128, 158, 181



181, 128, 140

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.



208, 160, 154



128, 158, 181



193, 161, 190

Square

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



128, 158, 181



148, 166, 207



206, 158, 172



159, 186, 134

Rectangle

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



128, 158, 181



124, 155, 197



206, 158, 172



204, 168, 144

Sweetspot

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



128, 158, 181



213, 225, 235



128, 181, 169



104, 111, 117



245, 245, 245



117, 117, 117

Same Dimension

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



128, 158, 181



152, 199, 235



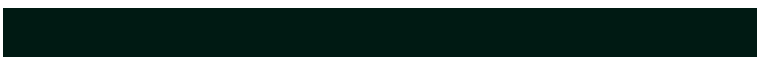
128, 151, 181



80, 85, 89



0, 87, 153



0, 15, 26

Inverse Universe

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



181, 128, 140



235, 152, 172



181, 147, 128



89, 80, 82



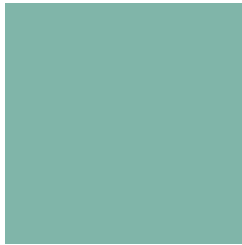
153, 0, 36



26, 0, 6

Previews

White Background



This preview shows how the RYB color 128, 158, 181 looks on a white background.

Color Contrast Check

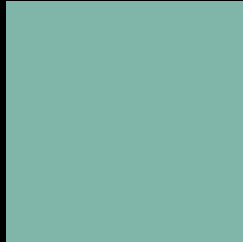
Large Text (above 18pt) WCAG AA × Fail

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, 158, 181 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

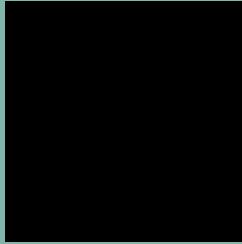
Any Text WCAG AA ✓ Pass

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](#).

RYP 128, 158, 181 Background



This preview shows how black text looks on a background with the RYP color 128, 158, 181.



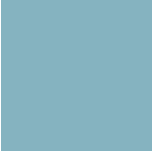
This preview shows how white text looks on a background with the RYP color 128, 158, 181.

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](#).

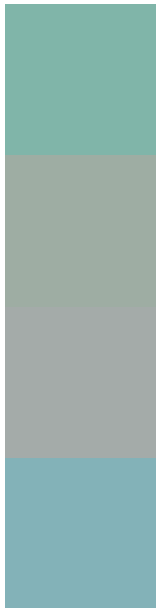
Dichromacy





Tritanopia
133, 159, 192

Trichromacy



Original Color
128, 158, 181

Protanomaly
158, 169, 173

Deuteranomaly
164, 168, 171

Tritanomaly
131, 156, 184

Monochromacy



Original Color
128, 158, 181

Achromatopsia
164, 164, 164

Achromatomaly
151, 162, 170

CSS Examples

Text

The CSS property to change the color of the text to RYB 128, 158, 181 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, 181, 169)` looks like.

```
.text, #text, p{  
    color:rgb(128, 181, 169)  
}
```

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, 181, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 181, 169) }
```

Border

The CSS property to change the border of an element to RYB 128, 158, 181 is called "border". The border property can be set on classes, ids or directly on the HTML element.

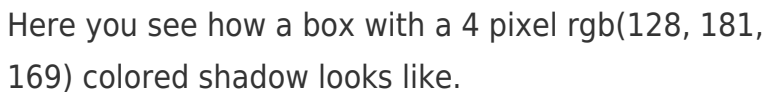
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(128, 181, 169) }
```

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

```
.border{ border-color:rgb(128, 181, 169) }
```

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



Here you see how a box with a 4 pixel `rgb(128, 181, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 181, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 181, 169);  
box-shadow:4px 4px 4px 4px rgb(128, 181,  
169) }
```

Background

The CSS property to change the background color of an element to RYB 128, 158, 181 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 181, 169) }
```

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

```
.background{ background-color: rgb(128,  
181, 169) }
```

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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