

Converting Colors

`RYB(128, 174, 198)`

Have a look what the booklet for
RYB(128, 174, 198) contains.

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Color

R_YB(128, 174, 198)

Conversions

Conversions Part 1

Format	Color
Hex	80C6A5
RGB	128, 198, 165
RGB Percent	50%, 78%, 65%
CMY	0.4980, 0.2235, 0.3548
CMYK	0.35, 0.00, 0.17, 0.22
HSL	151°, 38%, 64%
HSV	151°, 35%, 78%
XYZ	35.8442, 47.6766, 42.6828
YIQ	173.3080, -31.1270, -25.1030

Conversions

Conversions Part 2

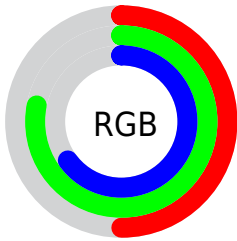
Format	Color
RYB	128, 174, 198
Decimal	8439461
CIELab	74.62, -29.36, 9.87
CIELCh	75, 30.979, 161.423
Yxy	47.6766, 0.2840, 0.3778
Android (android.graphics.Color)	4286629541 (0xFF80C6A5)
YUV	173.3080, -4.0958, -39.7351
Hunter-Lab	69.0482, -28.1717, 11.6831

Details

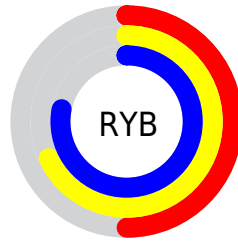
The RYB color **128, 174, 198** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **198, 128, 161**, and the grayscale version is **173, 173, 173**.

A 20% lighter version of the original color is **183, 231, 255**, and **75, 119, 144** is the 20% darker color. If you saturate the color by 10%, you get **108, 167, 198**, and if you desaturate by 10%, it is **148, 181, 198**.

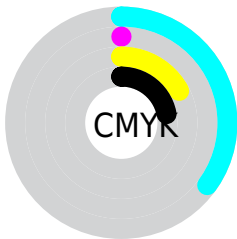
Distribution



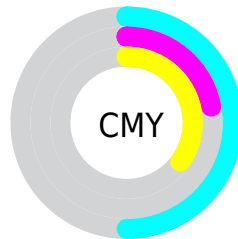
- Red (50%)
- Green (78%)
- Blue (65%)



- Red (50%)
- Yellow (68%)
- Blue (78%)



- Cyan (35%)
- Magenta (0%)
- Yellow (17%)
- Black (22%)



- Cyan (50%)
- Magenta (22%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the RYB color 128, 174, 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 128, 174, 198 by changing the saturation by 10% instead.

 128, 174, 198


255, 255, 255


 183, 231, 255

 211, 235, 255

 240, 248, 255

 128, 174, 198

 101, 147, 171

 75, 119, 144

 49, 93, 118

 19, 65, 93

 0, 43, 69

 0, 31, 46

 0, 25, 25


 0, 0, 0


 128, 174, 198


 128, 174, 198

 108, 167, 198


 148, 181, 198

 88, 160, 198

 168, 188, 198


 69, 154, 198

 187, 194, 198

 49, 147, 198

 207, 198, 202

 29, 140, 198

 227, 198, 212


 9, 133, 198

 247, 198, 221

 0, 130, 198

 255, 198, 231

 255, 198, 240

 255, 198, 250

Harmonies

Analogous

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



140, 193, 172



128, 174, 198



100, 151, 199

Triad

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



128, 174, 198



163, 179, 239



237, 173, 147

Complementary

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



128, 174, 198



198, 128, 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.



241, 163, 174



128, 174, 198



201, 172, 226

Square

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



128, 174, 198



122, 165, 237



229, 165, 202



213, 219, 130

Rectangle

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



128, 174, 198



93, 149, 212



229, 165, 202



240, 166, 155

Sweetspot

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



128, 174, 198



227, 245, 255



128, 198, 164



111, 122, 128



0, 0, 0



128, 128, 128

Same Dimension

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



128, 174, 198



148, 218, 255



128, 163, 198



90, 96, 99



0, 107, 163



0, 24, 36

Inverse Universe

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



198, 128, 161



255, 148, 199



198, 129, 128



99, 90, 94



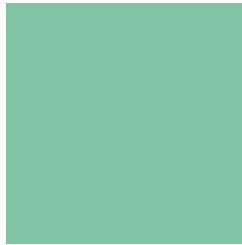
163, 0, 78



36, 0, 17

Previews

White Background



This preview shows how the RYB color 128, 174, 198 looks on a white background.

Color Contrast Check

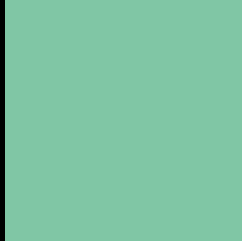
Large Text (above 18pt) WCAG AA × Fail

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 128, 174, 198 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

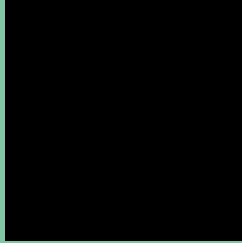
Any Text WCAG AA ✓ Pass

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](#).

RYB 128, 174, 198 Background



This preview shows how black text looks on a background with the RYB color 128, 174, 198.

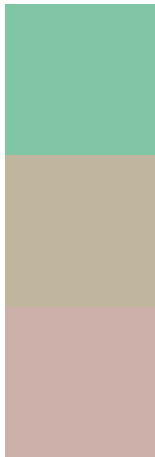


This preview shows how white text looks on a background with the RYB color 128, 174, 198.

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



Original Color
128, 174, 198

Protanopia
171, 192, 157

Deuteranopia
205, 178, 169



Tritanopia
137, 168, 207

Trichromacy



Original Color

128, 174, 198



Protanomaly

160, 188, 179



Deuteranomaly

167, 184, 174



Tritanomaly

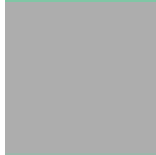
134, 165, 194

Monochromacy



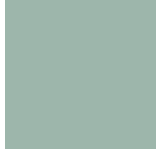
Original Color

128, 174, 198



Achromatopsia

173, 173, 173



Achromatomaly

157, 173, 182

CSS Examples

Text

The CSS property to change the color of the text to RYB 128, 174, 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(128, 198, 165)` looks like.

```
.text, #text, p{  
    color:rgb(128, 198, 165)  
}
```

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, 198, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 198, 165) }
```

Border

The CSS property to change the border of an element to RYB 128, 174, 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(128, 198, 165) }
```

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

```
.border{ border-color:rgb(128, 198, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 198, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 198, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 198, 165);  
box-shadow:4px 4px 4px 4px rgb(128, 198,  
165) }
```

Background

The CSS property to change the background color of an element to RYB 128, 174, 198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 198, 165) }
```

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

```
.background{ background-color: rgb(128,  
198, 165) }
```

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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