

Converting Colors

`RYB(118, 147, 175)`

Have a look what the booklet for
RYB(118, 147, 175) contains.

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Color

R_YB(118, 147, 175)

Conversions

Conversions Part 1

Format	Color
Hex	76AFAD
RGB	118, 175, 173
RGB Percent	46%, 69%, 68%
CMY	0.5373, 0.3137, 0.3214
CMYK	0.33, 0.00, 0.01, 0.31
HSL	178°, 26%, 57%
HSV	178°, 33%, 69%
XYZ	30.3473, 37.5300, 45.1972
YIQ	157.7290, -33.3300, -12.7060

Conversions

Conversions Part 2

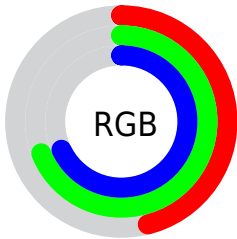
Format	Color
RYB	118, 147, 175
Decimal	7778221
CIELab	67.67, -18.92, -4.93
CIELCh	68, 19.549, 194.605
Yxy	37.5300, 0.2684, 0.3319
Android (android.graphics.Color)	4285968301 (0xFF76AFAD)
YUV	157.7290, 7.5286, -34.8423
Hunter-Lab	61.2617, -18.7840, -0.8593

Details

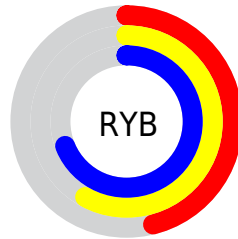
The RYB color **118, 147, 175** is a light color, and the websafe version is hex **669999**. A complement of this color would be **175, 118, 120**, and the grayscale version is **158, 158, 158**.

A 20% lighter version of the original color is **172, 202, 231**, and **66, 94, 122** is the 20% darker color. If you saturate the color by 10%, you get **101, 139, 175**, and if you desaturate by 10%, it is **136, 156, 175**.

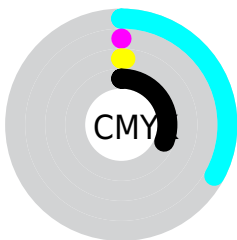
Distribution



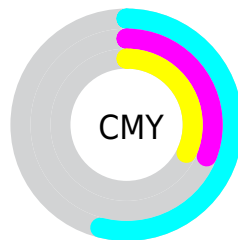
- Red (46%)
- Green (69%)
- Blue (68%)



- Red (46%)
- Yellow (58%)
- Blue (69%)



- Cyan (33%)
- Magenta (0%)
- Yellow (1%)
- Black (31%)



- Cyan (54%)
- Magenta (31%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the RYB color 118, 147, 175 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 118, 147, 175 by changing the saturation by 10% instead.


 118, 147, 175


255, 255, 255

 172, 202, 231

 200, 228, 255

 229, 242, 255

 118, 147, 175


 92, 121, 148

 66, 94, 122

 40, 69, 97

 8, 41, 73

 0, 25, 50


 0, 15, 30

 0, 0, 2


 0, 0, 0

 118, 147, 175


 118, 147, 175


 101, 139, 175


 136, 156, 175

 83, 130, 175

 153, 164, 175

 66, 122, 175

 171, 173, 175

 48, 113, 175

 188, 175, 175


 30, 104, 175

 206, 175, 176

 13, 96, 175

 223, 175, 177

 0, 89, 175

 241, 175, 177

 255, 175, 178

Harmonies

Analogous

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



130, 158, 174



118, 147, 175



118, 149, 189

Triad

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



118, 147, 175



178, 158, 190



180, 187, 131

Complementary

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



118, 147, 175



175, 118, 120

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.



198, 160, 141



118, 147, 175



195, 153, 175

Square

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



118, 147, 175



156, 162, 199



201, 153, 157



134, 169, 131

Rectangle

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



118, 147, 175



127, 154, 196



201, 153, 157



191, 179, 134

Sweetspot

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



118, 147, 175



204, 216, 227



118, 175, 172



101, 108, 115



242, 242, 242



115, 115, 115

Same Dimension

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



118, 147, 175



138, 183, 227



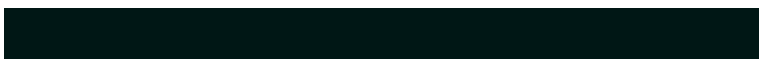
118, 138, 175



78, 83, 87



0, 76, 150



0, 12, 23

Inverse Universe

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



175, 118, 120



227, 138, 141



175, 166, 118



87, 78, 78



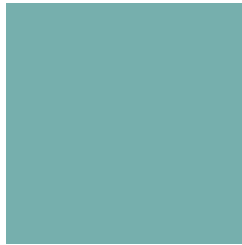
150, 0, 5



23, 0, 1

Previews

White Background



This preview shows how the RYB color 118, 147, 175 looks on a white background.

Color Contrast Check

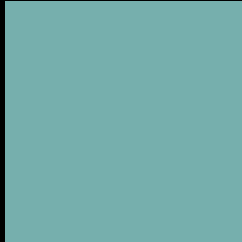
Large Text (above 18pt) WCAG AA × Fail

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 118, 147, 175 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

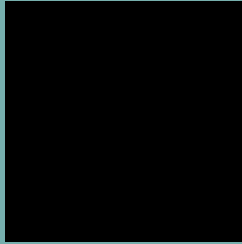
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

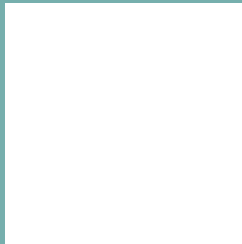
Any Text WCAG AAA ✓ Pass

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

RYB 118, 147, 175 Background



This preview shows how black text looks on a background with the RYB color 118, 147, 175.

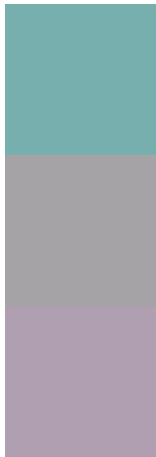


This preview shows how white text looks on a background with the RYB color 118, 147, 175.

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
118, 147, 175

Protanopia
166, 163, 166

Deuteranopia
175, 159, 176



Tritanopia
121, 150, 187

Trichromacy



Original Color

118, 147, 175

Protanomaly

149, 158, 169

Deuteranomaly

154, 161, 175

Tritanomaly

120, 149, 182

Monochromacy



Original Color

118, 147, 175

Achromatopsia

158, 158, 158

Achromatomaly

143, 154, 164

CSS Examples

Text

The CSS property to change the color of the text to RYB 118, 147, 175 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(118, 175, 173)` looks like.

```
.text, #text, p{  
    color:rgb(118, 175, 173)  
}
```

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(118, 175, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 175, 173) }
```

Border

The CSS property to change the border of an element to RYB 118, 147, 175 is called "border". The border property can be set on classes, ids or directly on the HTML element.

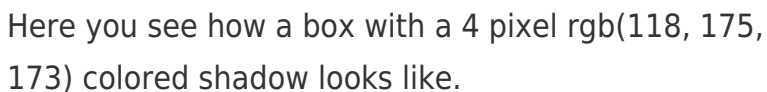
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(118, 175, 173) }
```

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

```
.border{ border-color:rgb(118, 175, 173) }
```

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



Here you see how a box with a 4 pixel `rgb(118, 175, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(118, 175, 173); -webkit-box-shadow:4px 4px 4px 4px rgb(118, 175, 173); box-shadow:4px 4px 4px 4px rgb(118, 175, 173) }
```

Background

The CSS property to change the background color of an element to RYB 118, 147, 175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 175, 173) }
```

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

```
.background{ background-color: rgb(118,  
175, 173) }
```

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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