

# Converting Colors

`RYB(74, 118, 147)`

Have a look what the booklet for  
RYB(74, 118, 147) contains.

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# Color

**`RYB(74, 118, 147)`**

# Conversions

## Conversions Part 1

Format	Color
Hex	4A937A
RGB	74, 147, 122
RGB Percent	29%, 58%, 48%
CMY	0.7098, 0.4235, 0.5211
CMYK	0.50, 0.00, 0.17, 0.42
HSL	160°, 33%, 43%
HSV	160°, 50%, 58%
XYZ	16.7777, 23.7312, 22.1456
YIQ	122.3230, -35.4830, -23.2510

# Conversions

## Conversions Part 2

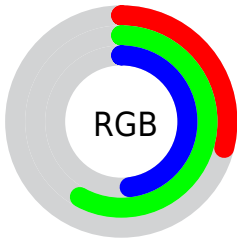
<b>Format</b>	<b>Color</b>
<b>RYB</b>	74, 118, 147
Decimal	4887418
CIELab	55.82, -29.08, 6.21
CIElCh	56, 29.734, 167.953
Yxy	23.7312, 0.2678, 0.3788
Android (android.graphics.Color)	4283077498 (0xFF4A937A)
YUV	122.3230, -0.1592, -42.3793
Hunter-Lab	48.7147, -23.7742, 7.1472

# Details

The RYB color **74, 118, 147** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **147, 74, 99**, and the grayscale version is **122, 122, 122**.

A 20% lighter version of the original color is **127, 172, 201**, and **15, 62, 96** is the 20% darker color. If you saturate the color by 10%, you get **59, 112, 147**, and if you desaturate by 10%, it is **89, 124, 147**.

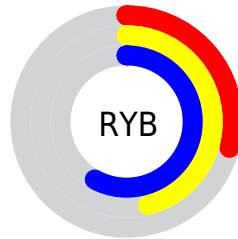
# Distribution



Red (29%)

Green (58%)

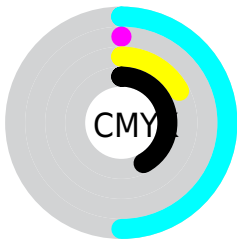
Blue (48%)



Red (29%)

Yellow (46%)

Blue (58%)

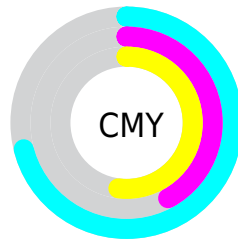


Cyan (50%)

Magenta (0%)

Yellow (17%)

Black (42%)



Cyan (71%)

Magenta (42%)

Yellow (52%)

# Brightness & Saturation Gradients


These gradients show how the RYB color 74, 118, 147 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 74, 118, 147 by changing the saturation by 10% instead.



 74, 118, 147       74, 118, 147

255, 255, 255       47, 91, 121

 127, 172, 201       15, 62, 96

 155, 201, 230       0, 42, 72

 183, 227, 255       0, 30, 48

 211, 233, 255       0, 25, 29

 240, 248, 255       0, 0, 0

 74, 118, 147       74, 118, 147

 59, 112, 147       89, 124, 147

 45, 107, 147       103, 130, 147

■ 30, 101, 147

■ 118, 136, 147

■ 15, 95, 147

■ 133, 142, 147

■ 1, 89, 147

■ 148, 147, 147

■ 0, 89, 147

■ 162, 147, 152

■ 177, 147, 157

■ 192, 147, 162

■ 206, 147, 167

# Harmonies

## Analogous

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



98, 143, 135



74, 118, 147



43, 96, 149

# Triad

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



74, 118, 147



122, 130, 183



178, 129, 97

# Complementary

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



74, 118, 147



147, 74, 99

# 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.



185, 114, 119



74, 118, 147



156, 122, 169

# Square

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



74, 118, 147



80, 118, 184



178, 115, 145



135, 160, 83

# Rectangle

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



74, 118, 147



36, 95, 165



178, 115, 145



182, 122, 103



# Sweetspot

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



74, 118, 147



163, 180, 191



74, 147, 121



79, 90, 97



224, 224, 224



97, 97, 97



# Same Dimension

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



74, 118, 147



77, 146, 191



74, 108, 147



67, 71, 74



0, 83, 138



0, 6, 10



# Inverse Universe

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



147, 74, 99



191, 77, 116



147, 87, 74



74, 67, 69



138, 0, 47



10, 0, 3



# Previews

## White Background



This preview shows how the RYB color 74, 118, 147 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 74, 118, 147 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

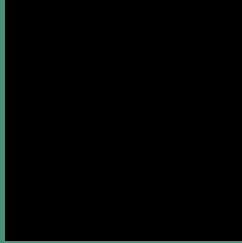
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## RYB 74, 118, 147 Background



This preview shows how black text looks on a background with the RYB color 74, 118, 147.



This preview shows how white text looks on a background with the RYB color 74, 118, 147.

# 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**  
83, 116, 154

# Trichromacy



**Original Color**

74, 118, 147



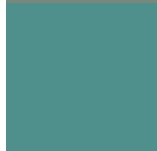
**Protanomaly**

116, 136, 138



**Deuteranomaly**

121, 132, 135



**Tritanomaly**

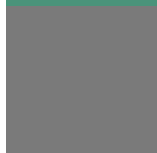
80, 113, 144

# Monochromacy



**Original Color**

74, 118, 147



**Achromatopsia**

122, 122, 122



**Achromatomaly**

105, 121, 131

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 74, 118, 147 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(74, 147, 122)` looks like.

```
.text, #text, p{  
    color:rgb(74, 147, 122)  
}
```

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(74, 147, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 147, 122) }
```

## Border

The CSS property to change the border of an element to RYB 74, 118, 147 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(74, 147, 122) }
```

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

```
.border{ border-color:rgb(74, 147, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 147, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 147, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 147, 122);  
box-shadow:4px 4px 4px 4px rgb(74, 147,  
122) }
```

# Background

The CSS property to change the background color of an element to RGB 74, 118, 147 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 147, 122) }
```

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

```
.background{ background-color: rgb(74, 147,  
122) }
```

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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