

# Converting Colors

`RYB(74, 122, 142)`

Have a look what the booklet for  
RYB(74, 122, 142) contains.

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# Color

**R<sub>Y</sub>B(74, 122, 142)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4A8E66
RGB	74, 142, 102
RGB Percent	29%, 56%, 40%
CMY	0.7098, 0.4431, 0.5987
CMYK	0.48, 0.00, 0.28, 0.44
HSL	145°, 31%, 42%
HSV	145°, 48%, 56%
XYZ	14.9119, 21.7678, 16.0729
YIQ	117.1080, -27.6880, -26.8560

# Conversions

## Conversions Part 2

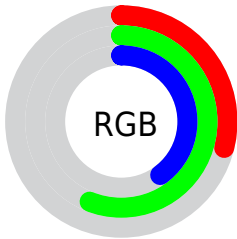
Format	Color
<b>RYB</b>	74, 122, 142
Decimal	4886118
CIELab	53.78, -31.10, 14.61
CIElCh	54, 34.364, 154.840
Yxy	21.7678, 0.2827, 0.4126
Android (android.graphics.Color)	4283076198 (0xFF4A8E66)
YUV	117.1080, -7.4482, -37.8057
Hunter-Lab	46.6560, -24.5969, 12.2339

# Details

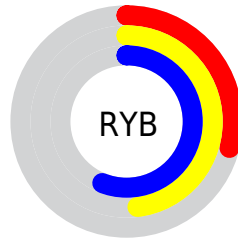
The RYB color **74, 122, 142** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **142, 74, 114**, and the grayscale version is **117, 117, 117**.

A 20% lighter version of the original color is **127, 177, 196**, and **18, 66, 91** is the 20% darker color. If you saturate the color by 10%, you get **60, 118, 142**, and if you desaturate by 10%, it is **88, 126, 142**.

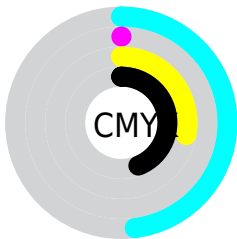
# Distribution



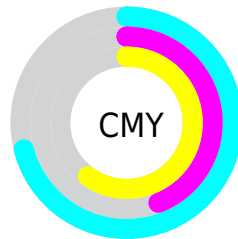
- Red (29%)
- Green (56%)
- Blue (40%)



- Red (29%)
- Yellow (48%)
- Blue (56%)



- Cyan (48%)
- Magenta (0%)
- Yellow (28%)
- Black (44%)



- Cyan (71%)
- Magenta (44%)
- Yellow (60%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 74, 122, 142 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, 122, 142 by changing the saturation by 10% instead.





74, 122, 142



74, 122, 142

255, 255, 255



48, 95, 116



127, 177, 196



18, 66, 91



154, 205, 224



0, 45, 67



181, 233, 253



0, 35, 44



210, 239, 255



0, 22, 22



239, 247, 255



0, 0, 0



74, 122, 142



74, 122, 142



60, 118, 142



88, 126, 142



46, 114, 142



102, 130, 142

■ 31, 109, 142

■ 117, 135, 142

■ 17, 105, 142

■ 131, 139, 142

■ 3, 101, 142

■ 145, 142, 144

■ 0, 100, 142

■ 159, 142, 152

■ 173, 142, 160

■ 188, 142, 169

■ 202, 142, 177

# Harmonies

## Analogous

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



79, 137, 105



74, 122, 142



16, 83, 144

# Triad

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



74, 122, 142



91, 119, 187



183, 111, 96

# Complementary

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



74, 122, 142



142, 74, 114

# 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.



184, 105, 125



74, 122, 142



138, 119, 177

# Square

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



74, 122, 142



21, 89, 181



170, 109, 154



168, 155, 75

# Rectangle

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



74, 122, 142



0, 74, 152



170, 109, 154



185, 106, 105



# Sweetspot

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



74, 122, 142



158, 176, 184



74, 142, 102



76, 87, 92



219, 219, 219



92, 92, 92



# Same Dimension

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



74, 122, 142



79, 153, 184



74, 110, 142



64, 69, 71



0, 95, 135



0, 6, 8



# Inverse Universe

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



142, 74, 114



184, 79, 140



142, 74, 80



71, 64, 68



135, 0, 79



8, 0, 4



# Previews

## White Background



This preview shows how the RYB color 74, 122, 142 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, 122, 142 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](#).



## R Y B 74, 122, 142 Background



This preview shows how black text looks on a background with the R Y B color 74, 122, 142.



This preview shows how white text looks on a background with the R Y B color 74, 122, 142.

# 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**


74, 122, 142

**Protanopia**

108, 137, 96

**Deuteranopia**

148, 135, 106



# Tritanopia

85, 113, 147

# Trichromacy



**Original Color**

74, 122, 142

**Protanomaly**

98, 133, 117

**Deuteranomaly**

105, 130, 114

**Tritanomaly**

81, 111, 138

# Monochromacy



**Original Color**

74, 122, 142

**Achromatopsia**

117, 117, 117

**Achromatomaly**

101, 118, 126

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 74, 122, 142 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, 142, 102) looks like.

```
.text, #text, p{  
    color:rgb(74, 142, 102)  
}
```

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, 142, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 142, 102) }
```

## Border

The CSS property to change the border of an element to RYB 74, 122, 142 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, 142, 102) }
```

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

```
.border{ border-color:rgb(74, 142, 102) }
```

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

Here you see how a box with a 4 pixel rgb(74, 142, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 142, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 142, 102);  
box-shadow:4px 4px 4px 4px rgb(74, 142,  
102) }
```

# Background

The CSS property to change the background color of an element to RGB 74, 142, 102 is called "background".

The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 142, 102) }
```

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

```
.background{ background-color: rgb(74, 142,  
102) }
```

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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