

# Converting Colors

`RYB(102, 149, 160)`

Have a look what the booklet for  
RYB(102, 149, 160) contains.

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# Color

**R<sub>Y</sub>B(102, 149, 160)**

# Conversions

## Conversions Part 1

Format	Color
Hex	66A074
RGB	102, 160, 116
RGB Percent	40%, 63%, 45%
CMY	0.6000, 0.3725, 0.5468
CMYK	0.36, 0.00, 0.28, 0.37
HSL	134°, 23%, 51%
HSV	134°, 36%, 63%
XYZ	21.1780, 29.2175, 20.9169
YIQ	137.6420, -20.4440, -25.9800

# Conversions

## Conversions Part 2

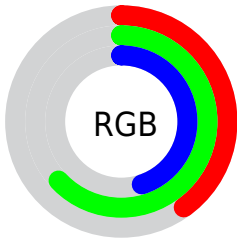
<b>Format</b>	<b>Color</b>
<b>RYB</b>	102, 149, 160
Decimal	6725748
CIELab	60.97, -28.66, 17.31
CIElCh	61, 33.481, 148.865
Yxy	29.2175, 0.2970, 0.4097
Android (android.graphics.Color)	4284915828 (0xFF66A074)
YUV	137.6420, -10.6695, -31.2580
Hunter-Lab	54.0532, -24.6570, 14.8939

# Details

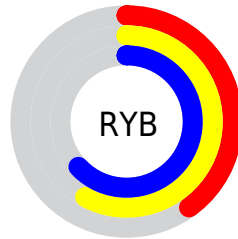
The RYB color **102, 149, 160** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **160, 102, 146**, and the grayscale version is **138, 138, 138**.

A 20% lighter version of the original color is **155, 204, 215**, and **51, 95, 108** is the 20% darker color. If you saturate the color by 10%, you get **86, 146, 160**, and if you desaturate by 10%, it is **118, 152, 160**.

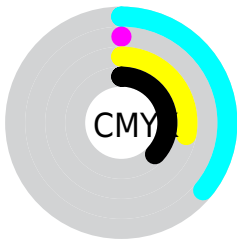
# Distribution



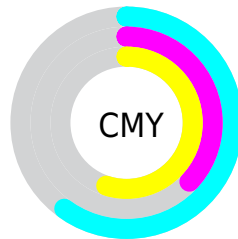
- Red (40%)
- Green (63%)
- Blue (45%)



- Red (40%)
- Yellow (58%)
- Blue (63%)



- Cyan (36%)
- Magenta (0%)
- Yellow (28%)
- Black (37%)



- Cyan (60%)
- Magenta (37%)
- Yellow (55%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 102, 149, 160 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 102, 149, 160 by changing the saturation by 10% instead.



 102, 149, 160


255, 255, 255


 155, 204, 215


 182, 233, 244

 211, 246, 255

 239, 248, 255

 102, 149, 160

 76, 122, 134

 51, 96, 108

 25, 68, 83


 0, 43, 60


 0, 38, 38

 0, 7, 7


 0, 0, 0

 102, 149, 160


 86, 146, 160


 102, 149, 160


 118, 152, 160


 70, 143, 160


 134, 155, 160


 54, 140, 160


 150, 158, 160


 38, 137, 160

 166, 160, 165

 22, 134, 160


 182, 160, 177

 6, 131, 160

 198, 160, 189

 0, 130, 160

 214, 160, 201

 230, 160, 214

 246, 160, 226

# Harmonies

## Analogous

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



94, 154, 111



102, 149, 160



62, 117, 163

# Triad

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



102, 149, 160



102, 135, 206



204, 126, 120

# Complementary

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



102, 149, 160



160, 102, 146

# 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.



202, 124, 149



102, 149, 160



149, 140, 199

# Square

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



102, 149, 160



50, 112, 197



183, 130, 178



191, 161, 97

# Rectangle

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



102, 149, 160



34, 99, 165



183, 130, 178



205, 125, 129



# Sweetspot

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



102, 149, 160



186, 205, 209



102, 160, 116



91, 103, 105



232, 232, 232



105, 105, 105



# Same Dimension

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



102, 149, 160



117, 191, 209



102, 135, 160



71, 77, 79



0, 116, 143



0, 12, 15



# Inverse Universe

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



160, 102, 146



209, 117, 188



160, 102, 117



79, 71, 77



143, 0, 109



15, 0, 12



# Previews

## White Background



This preview shows how the RYB color 102, 149, 160 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 102, 149, 160 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 102, 149, 160 Background**



This preview shows how black text looks on a background with the RYB color 102, 149, 160.

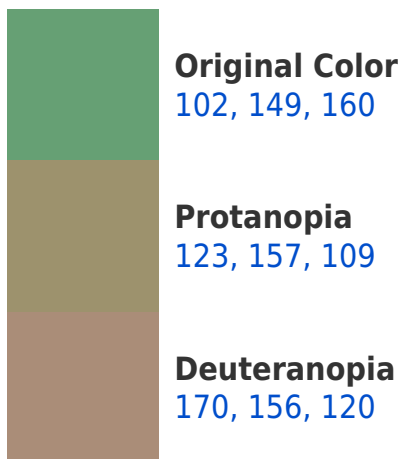


This preview shows how white text looks on a background with the RYB color 102, 149, 160.

# 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**  
112, 135, 166

# Trichromacy



**Original Color**  
102, 149, 160

**Protanomaly**  
111, 151, 125

**Deuteranomaly**  
118, 148, 121

**Tritanomaly**  
108, 134, 156

# Monochromacy



**Original Color**  
102, 149, 160

**Achromatopsia**  
138, 138, 138

**Achromatomaly**  
125, 142, 146

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 102, 149, 160 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(102, 160, 116)` looks like.

```
.text, #text, p{  
    color:rgb(102, 160, 116)  
}
```

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(102, 160, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 160, 116) }
```

## Border

The CSS property to change the border of an element to RYB 102, 149, 160 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(102, 160, 116) }
```

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

```
.border{ border-color:rgb(102, 160, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 160, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 160, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 160, 116);  
box-shadow:4px 4px 4px 4px rgb(102, 160,  
116) }
```

# Background

The CSS property to change the background color of an element to RYB 102, 149, 160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 160, 116) }
```

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

```
.background{ background-color: rgb(102,  
160, 116) }
```

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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