

# Converting Colors

`RYB(107, 140, 152)`

Have a look what the booklet for  
RYB(107, 140, 152) contains.

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# Color

**R<sub>Y</sub>B(107, 140, 152)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6B987B
RGB	107, 152, 123
RGB Percent	42%, 60%, 48%
CMY	0.5804, 0.4039, 0.5162
CMYK	0.30, 0.00, 0.19, 0.40
HSL	142°, 18%, 51%
HSV	142°, 30%, 60%
XYZ	20.8896, 27.0215, 22.9731
YIQ	135.2390, -17.5110, -18.5590

# Conversions

## Conversions Part 2

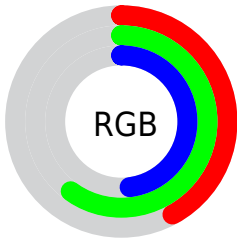
<b>Format</b>	<b>Color</b>
<b>RYB</b>	107, 140, 152
Decimal	7051387
CIELab	58.99, -21.51, 10.24
CIELCh	59, 23.821, 154.553
Yxy	27.0215, 0.2947, 0.3812
Android (android.graphics.Color)	4285241467 (0xFF6B987B)
YUV	135.2390, -6.0338, -24.7656
Hunter-Lab	51.9822, -19.2366, 10.1847

# Details

The RYB color **107, 140, 152** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **152, 107, 136**, and the grayscale version is **135, 135, 135**.

A 20% lighter version of the original color is **159, 194, 206**, and **58, 89, 101** is the 20% darker color. If you saturate the color by 10%, you get **92, 136, 152**, and if you desaturate by 10%, it is **122, 144, 152**.

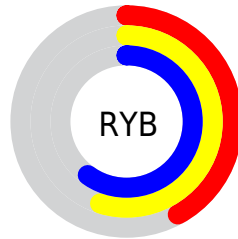
# Distribution



Red (42%)

Green (60%)

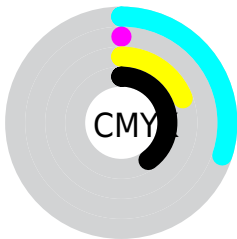
Blue (48%)



Red (42%)

Yellow (55%)

Blue (60%)

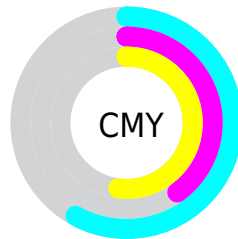


Cyan (30%)

Magenta (0%)

Yellow (19%)

Black (40%)



Cyan (58%)

Magenta (40%)

Yellow (52%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 107, 140, 152 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 107, 140, 152 by changing the saturation by 10% instead.



 107, 140, 152

255, 255, 255


 159, 194, 206

 187, 223, 235

 215, 244, 255

 243, 249, 255

 107, 140, 152

 82, 114, 126


 58, 89, 101


 34, 64, 77


 8, 39, 54

 0, 27, 33


 0, 0, 0


 107, 140, 152

 92, 136, 152

 77, 132, 152

 107, 140, 152

 122, 144, 152

 137, 148, 152

■ 61, 128, 152

■ 153, 152, 152

■ 46, 123, 152

■ 168, 152, 162

■ 31, 120, 152

■ 183, 152, 172

■ 16, 116, 152

■ 198, 152, 181

■ 1, 112, 152

■ 213, 152, 191

■ 0, 112, 152

■ 229, 152, 201

■ 244, 152, 210

# Harmonies

## Analogous

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



107, 148, 124



107, 140, 152



86, 122, 154

# Triad

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



107, 140, 152



120, 137, 183



183, 131, 119

# Complementary

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



107, 140, 152



152, 107, 136

# 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.



183, 127, 139



107, 140, 152



149, 135, 176

# Square

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



107, 140, 152



92, 126, 179



172, 129, 160



172, 159, 105

# Rectangle

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



107, 140, 152



79, 117, 159



172, 129, 160



184, 128, 126



# Sweetspot

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



107, 140, 152



179, 192, 196



107, 152, 123



89, 97, 99



227, 227, 227



99, 99, 99



# Same Dimension

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



107, 140, 152



126, 178, 196



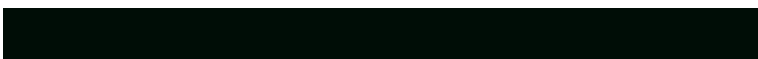
107, 131, 152



69, 75, 77



0, 103, 140



0, 9, 13



# Inverse Universe

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



152, 107, 136



196, 126, 171



152, 107, 114



77, 69, 74



140, 0, 89



13, 0, 8



# Previews

## White Background



This preview shows how the RYB color 107, 140, 152 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 107, 140, 152 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

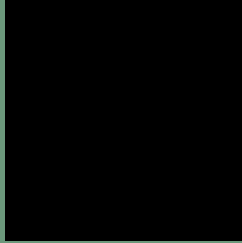
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## R Y B 107, 140, 152 Background



This preview shows how black text looks on a background with the R Y B color 107, 140, 152.

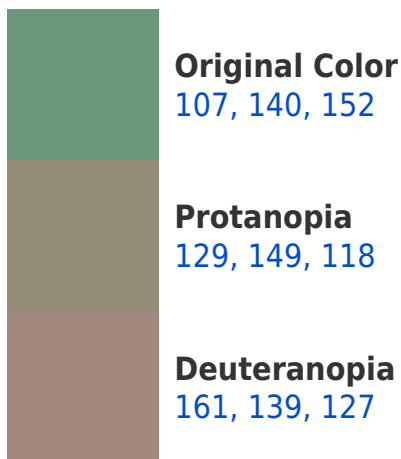



This preview shows how white text looks on a background with the R Y B color 107, 140, 152.

# 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**  
114, 133, 159

# Trichromacy



**Original Color**

107, 140, 152

**Protanomaly**

120, 145, 131

**Deuteranomaly**

126, 142, 127

**Tritanomaly**

111, 131, 149

# Monochromacy



**Original Color**

107, 140, 152

**Achromatopsia**

135, 135, 135

**Achromatomaly**

125, 137, 141

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 107, 140, 152 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(107, 152, 123)` looks like.

```
.text, #text, p{  
    color:rgb(107, 152, 123)  
}
```

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(107, 152, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 152, 123) }
```

## Border

The CSS property to change the border of an element to RYB 107, 140, 152 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(107, 152, 123) }
```

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

```
.border{ border-color:rgb(107, 152, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 152, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 152, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 152, 123);  
box-shadow:4px 4px 4px 4px rgb(107, 152,  
123) }
```

# Background

The CSS property to change the background color of an element to RYB 107, 140, 152 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 152, 123) }
```

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

```
.background{ background-color: rgb(107,  
152, 123) }
```

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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