

Converting Colors

`RYB(117, 137, 160)`

Have a look what the booklet for
RYB(117, 137, 160) contains.

| | |
|--|----|
| RYB(117, 137, 160) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 11 |
| <i>Previews</i> | 23 |
| <i>Color Blindness Simulation</i> | 26 |
| <i>CSS Examples</i> | 29 |

Color

R_YB(117, 137, 160)

Conversions

Conversions Part 1

| Format | Color |
|---------------|-----------------------------|
| Hex | 759AA0 |
| RGB | 117, 154, 160 |
| RGB Percent | 46%, 60%, 63% |
| CMY | 0.5412, 0.3945, 0.3725 |
| CMYK | 0.27, 0.04, 0.00, 0.37 |
| HSL | 188°, 18%, 54% |
| HSV | 188°, 27%, 63% |
| XYZ | 25.3016, 29.5606, 37.6299 |
| YIQ | 143.6210, -23.9780, -5.9780 |

Conversions

Conversions Part 2

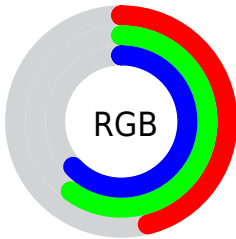
| Format | Color |
|-------------------------------------|-------------------------------|
| RYB | 117, 137, 160 |
| Decimal | 7707296 |
| CIELab | 61.27, -11.43, -7.12 |
| CIElCh | 61, 13.470, 211.927 |
| Yxy | 29.5606, 0.2736, 0.3196 |
| Android (android.graphics.Color) | 4285897376 (0xFF759AA0) |
| YUV | 143.6210, 8.0748, -23.3466 |
| Hunter-Lab | 54.3696, -12.0797, -2.9766 |

Details

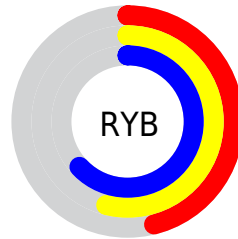
The RYB color **117, 137, 160** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **160, 124, 117**, and the grayscale version is **144, 144, 144**.

A 20% lighter version of the original color is **170, 191, 215**, and **67, 86, 109** is the 20% darker color. If you saturate the color by 10%, you get **101, 128, 160**, and if you desaturate by 10%, it is **133, 145, 160**.

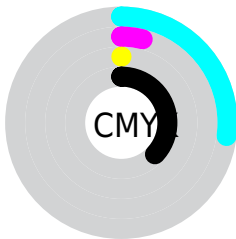
Distribution



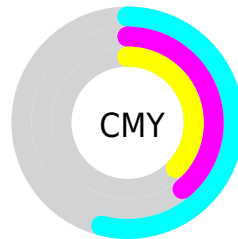
- Red (46%)
- Green (60%)
- Blue (63%)



- Red (46%)
- Yellow (54%)
- Blue (63%)



- Cyan (27%)
- Magenta (4%)
- Yellow (0%)
- Black (37%)



- Cyan (54%)
- Magenta (39%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the RYB color 117, 137, 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 117, 137, 160 by changing the saturation by 10% instead.

■ 117, 137, 160

255, 255, 255

■ 170, 191, 215

■ 198, 219, 243

■ 226, 241, 255

■ 117, 137, 160

■ 92, 111, 134

■ 67, 86, 109

■ 43, 62, 84

■ 18, 38, 61

■ 0, 18, 39

■ 0, 7, 19

■ 0, 0, 0

■ 117, 137, 160

■ 101, 128, 160

■ 117, 137, 160

■ 133, 145, 160

85, 120, 160

149, 154, 160

69, 111, 160

165, 161, 160

53, 103, 160

181, 164, 160

37, 94, 160

197, 166, 160

21, 86, 160

213, 168, 160

5, 77, 160

229, 170, 160

0, 74, 160

245, 173, 160

255, 175, 160

Harmonies

Analogous

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



120, 139, 155



117, 137, 160



123, 141, 168

Triad

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



117, 137, 160



164, 141, 159



138, 157, 124

Complementary

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



117, 137, 160



160, 124, 117

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.



167, 154, 127



117, 137, 160



172, 140, 148

Square

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



117, 137, 160



151, 145, 168



173, 142, 136



128, 151, 136

Rectangle

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



117, 137, 160



131, 144, 171



173, 142, 136



151, 161, 125

Sweetspot

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



117, 137, 160



192, 200, 209



117, 156, 160



94, 99, 105



232, 232, 232



105, 105, 105

Same Dimension

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



117, 137, 160



142, 173, 209



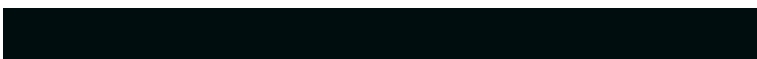
117, 129, 160



71, 75, 79



0, 66, 143



0, 7, 15

Inverse Universe

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



160, 117, 154



209, 142, 200



142, 160, 117



79, 71, 78



143, 0, 124



15, 0, 13

Previews

White Background



This preview shows how the RYB color 117, 137, 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 117, 137, 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 117, 137, 160 Background



This preview shows how black text looks on a background with the RYB color 117, 137, 160.

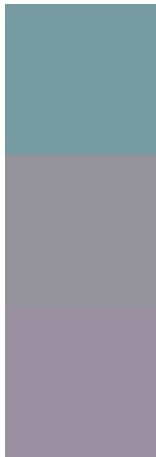


This preview shows how white text looks on a background with the RYB color 117, 137, 160.

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



Original Color
117, 137, 160

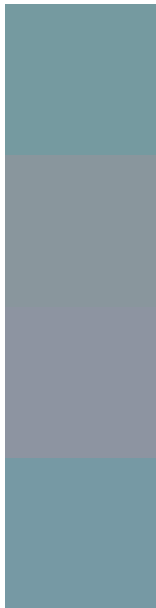
Protanopia
148, 147, 155

Deuteranopia
155, 143, 162



Tritanopia
118, 138, 166

Trichromacy



Original Color

117, 137, 160

Protanomaly

137, 145, 157

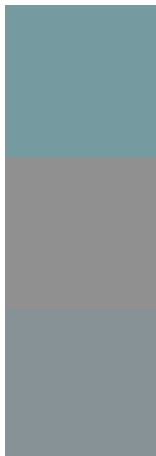
Deuteranomaly

141, 146, 161

Tritanomaly

118, 138, 164

Monochromacy



Original Color

117, 137, 160

Achromatopsia

144, 144, 144

Achromatomaly

134, 141, 150

CSS Examples

Text

The CSS property to change the color of the text to RYB 117, 137, 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(117, 154, 160)` looks like.

```
.text, #text, p{  
    color:rgb(117, 154, 160)  
}
```

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(117, 154, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 154, 160) }
```

Border

The CSS property to change the border of an element to RYB 117, 137, 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(117, 154, 160) }
```

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

```
.border{ border-color:rgb(117, 154, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 154, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 154, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 154, 160);  
box-shadow:4px 4px 4px 4px rgb(117, 154,  
160) }
```

Background

The CSS property to change the background color of an element to RYB 117, 137, 160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 154, 160) }
```

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

```
.background{ background-color: rgb(117,  
154, 160) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor