

Converting Colors

`RYB(117, 148, 171)`

Have a look what the booklet for
RYB(117, 148, 171) contains.

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Color

R_YB(117, 148, 171)

Conversions

Conversions Part 1

Format	Color
Hex	75AB9D
RGB	117, 171, 157
RGB Percent	46%, 67%, 62%
CMY	0.5412, 0.3294, 0.3841
CMYK	0.32, 0.00, 0.08, 0.33
HSL	165°, 24%, 56%
HSV	165°, 32%, 67%
XYZ	27.9903, 35.3443, 37.2741
YIQ	153.2580, -27.6900, -15.8020

Conversions

Conversions Part 2

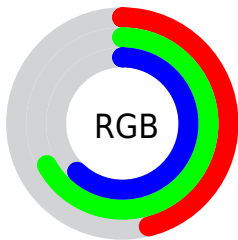
Format	Color
RYB	117, 148, 171
Decimal	7711645
CIELab	66.02, -20.86, 1.50
CIElCh	66, 20.916, 175.894
Yxy	35.3443, 0.2782, 0.3513
Android (android.graphics.Color)	4285901725 (0xFF75AB9D)
YUV	153.2580, 1.8448, -31.7983
Hunter-Lab	59.4510, -19.9991, 4.4426

Details

The RYB color **117, 148, 171** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **171, 117, 131**, and the grayscale version is **153, 153, 153**.

A 20% lighter version of the original color is **171, 203, 227**, and **66, 96, 119** is the 20% darker color. If you saturate the color by 10%, you get **100, 141, 171**, and if you desaturate by 10%, it is **134, 155, 171**.

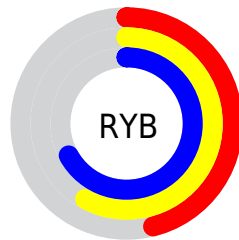
Distribution



Red (46%)

Green (67%)

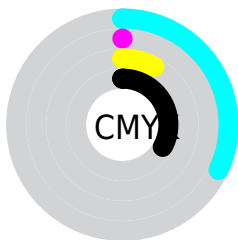
Blue (62%)



Red (46%)

Yellow (58%)

Blue (67%)

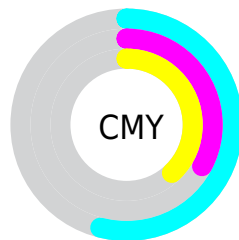


Cyan (32%)

Magenta (0%)

Yellow (8%)

Black (33%)



Cyan (54%)

Magenta (33%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the RYB color 117, 148, 171 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, 148, 171 by changing the saturation by 10% instead.

 117, 148, 171


255, 255, 255


 171, 203, 227


 198, 231, 255


 227, 241, 255

 117, 148, 171

 91, 121, 144

 66, 96, 119


 41, 71, 94

 13, 45, 70

 0, 26, 47


 0, 18, 28


 0, 0, 0


 117, 148, 171


 100, 141, 171


 117, 148, 171


 134, 155, 171

 83, 134, 171


 151, 162, 171


 66, 126, 171


 168, 170, 171


 49, 119, 171

 185, 171, 175

 31, 111, 171


 202, 171, 179

 14, 104, 171

 220, 171, 184

 0, 98, 171

 237, 171, 188

 254, 171, 192

 255, 171, 197

Harmonies

Analogous

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



136, 166, 169



117, 148, 171



108, 141, 176

Triad

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



117, 148, 171



160, 157, 194



192, 164, 130

Complementary

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



117, 148, 171



171, 117, 131

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.



199, 148, 145



117, 148, 171



182, 151, 182

Square

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



117, 148, 171



135, 154, 197



196, 147, 164



152, 177, 123

Rectangle

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



117, 148, 171



110, 143, 187



196, 147, 164



195, 156, 134

Sweetspot

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



117, 148, 171



202, 213, 222



117, 171, 157



100, 107, 112



240, 240, 240



112, 112, 112

Same Dimension

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



117, 148, 171



138, 186, 222



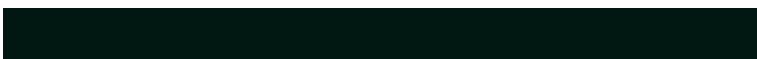
117, 140, 171



78, 83, 87



0, 86, 150



0, 13, 23

Inverse Universe

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



171, 117, 131



222, 138, 159



171, 134, 117



87, 78, 80



150, 0, 39



23, 0, 6

Previews

White Background



This preview shows how the RYB color 117, 148, 171 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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, 148, 171 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 ✓ Pass

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

RYB 117, 148, 171 Background



This preview shows how black text looks on a background with the RYB color 117, 148, 171.



This preview shows how white text looks on a background with the RYB color 117, 148, 171.

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](#).

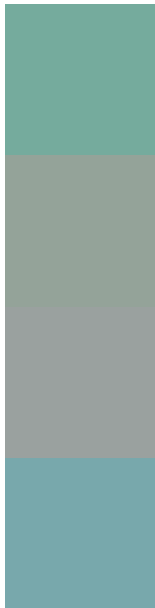
Dichromacy





Tritanopia
122, 148, 181

Trichromacy



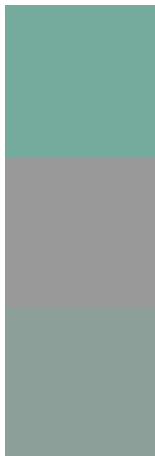
Original Color
117, 148, 171

Protanomaly
148, 159, 163

Deuteranomaly
154, 158, 161

Tritanomaly
120, 145, 172

Monochromacy



Original Color
117, 148, 171

Achromatopsia
153, 153, 153

Achromatomaly
140, 152, 160

CSS Examples

Text

The CSS property to change the color of the text to RYB 117, 148, 171 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, 171, 157)` looks like.

```
.text, #text, p{  
    color:rgb(117, 171, 157)  
}
```

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, 171, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 171, 157) }
```

Border

The CSS property to change the border of an element to RYB 117, 148, 171 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, 171, 157) }
```

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

```
.border{ border-color:rgb(117, 171, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 171, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 171, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 171, 157);  
box-shadow:4px 4px 4px 4px rgb(117, 171,  
157) }
```

Background

The CSS property to change the background color of an element to RYB 117, 148, 171 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 171, 157) }
```

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

```
.background{ background-color: rgb(117,  
171, 157) }
```

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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