

Converting Colors

`RYB(117, 149, 189)`

Have a look what the booklet for RYB(117, 149, 189) contains.

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Color

R_YB(117, 149, 189)

Conversions

Conversions Part 1

Format	Color
Hex	75AFBD
RGB	117, 175, 189
RGB Percent	46%, 69%, 74%
CMY	0.5412, 0.3153, 0.2588
CMYK	0.38, 0.08, 0.00, 0.26
HSL	192°, 35%, 60%
HSV	192°, 38%, 74%
XYZ	31.7737, 37.9605, 53.7966
YIQ	159.2540, -39.0620, -7.9420

Conversions

Conversions Part 2

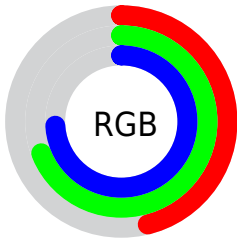
Format	Color
R _Y B	117, 149, 189
Decimal	7712701
CIE Lab	67.99, -15.02, -13.30
CIE LCh	68, 20.060, 221.522
Yxy	37.9605, 0.2572, 0.3073
Android (android.graphics.Color)	4285902781 (0xFF75AFBD)
YUV	159.2540, 14.6648, -37.0568
Hunter-Lab	61.6121, -15.7678, -8.6406

Details

The RYB color **117, 149, 189** is a light color, and the websafe version is hex **669999**. A complement of this color would be **189, 134, 117**, and the grayscale version is **159, 159, 159**.

A 20% lighter version of the original color is **172, 205, 245**, and **64, 96, 136** is the 20% darker color. If you saturate the color by 10%, you get **98, 139, 189**, and if you desaturate by 10%, it is **136, 159, 189**.

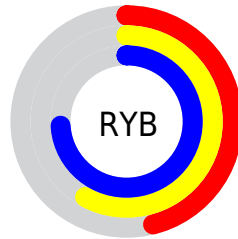
Distribution



Red (46%)

Green (69%)

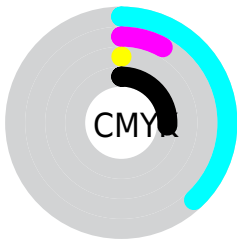
Blue (74%)



Red (46%)

Yellow (58%)

Blue (74%)

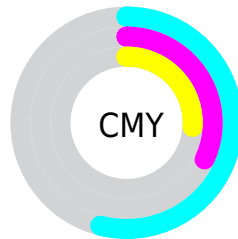


Cyan (38%)

Magenta (8%)

Yellow (0%)

Black (26%)



Cyan (54%)

Magenta (32%)

Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the RYB color 117, 149, 189 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, 149, 189 by changing the saturation by 10% instead.

 117, 149, 189


255, 255, 255

 172, 204, 245

 200, 228, 255

 229, 242, 255

 117, 149, 189

 90, 122, 162


 64, 96, 136

 36, 69, 110

 0, 39, 86

 0, 28, 63

 0, 17, 41

 0, 1, 21

 0, 0, 0

 117, 149, 189

 117, 149, 189

98, 139, 189

136, 159, 189

79, 128, 189

155, 170, 189

60, 117, 189

174, 181, 189

41, 107, 189

193, 190, 189

22, 96, 189

212, 195, 189

4, 86, 189

230, 199, 189

0, 84, 189

249, 204, 189

255, 210, 189

255, 218, 189

Harmonies

Analogous

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



118, 148, 176



117, 149, 189



131, 156, 199

Triad

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



117, 149, 189



195, 154, 178



136, 172, 130

Complementary

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



117, 149, 189



189, 134, 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.



190, 190, 132



117, 149, 189



203, 153, 159

Square

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



117, 149, 189



177, 159, 193



201, 159, 142



138, 172, 158

Rectangle

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



117, 149, 189



146, 161, 202



201, 159, 142



150, 179, 130

Sweetspot

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



117, 149, 189



218, 230, 245



117, 177, 189



106, 113, 122



250, 250, 250



122, 122, 122

Same Dimension

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



117, 149, 189



132, 182, 245



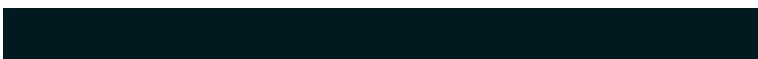
117, 134, 189



85, 89, 94



0, 70, 158



0, 14, 31

Inverse Universe

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



189, 117, 175



245, 132, 222



149, 189, 117



94, 85, 92



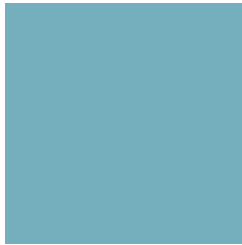
158, 0, 126



31, 0, 24

Previews

White Background



This preview shows how the RYB color 117, 149, 189 looks on a white background.

Color Contrast Check

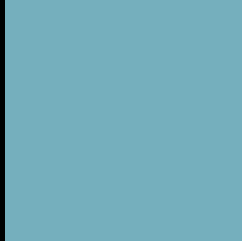
Large Text (above 18pt) WCAG AA × Fail

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, 149, 189 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

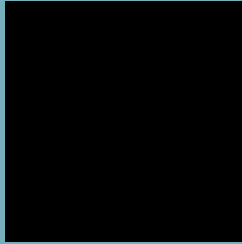
Any Text WCAG AA ✓ Pass

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, 149, 189 Background



This preview shows how black text looks on a background with the RYB color 117, 149, 189.

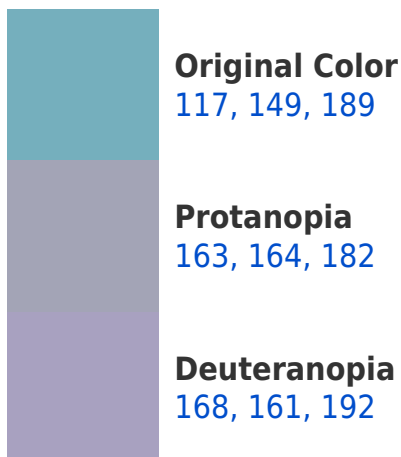


This preview shows how white text looks on a background with the RYB color 117, 149, 189.

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
117, 149, 189

Trichromacy



Original Color

117, 149, 189

Protanomaly

146, 160, 185

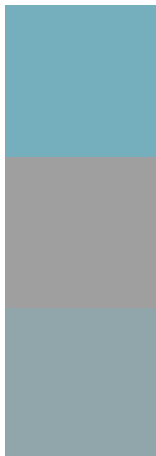
Deuteranomaly

149, 161, 191

Tritanomaly

117, 149, 189

Monochromacy



Original Color

117, 149, 189

Achromatopsia

159, 159, 159

Achromatomaly

144, 156, 170

CSS Examples

Text

The CSS property to change the color of the text to RYB 117, 149, 189 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, 175, 189)` looks like.

```
.text, #text, p{  
    color:rgb(117, 175, 189)  
}
```

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, 175, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 175, 189) }
```

Border

The CSS property to change the border of an element to RYB 117, 149, 189 is called "border". The border property can be set on classes, ids or directly on the HTML element.

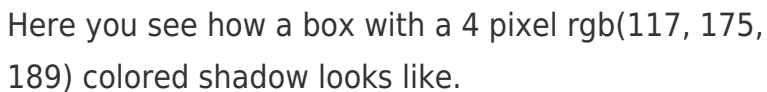
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(117, 175, 189) }
```

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

```
.border{ border-color:rgb(117, 175, 189) }
```

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



Here you see how a box with a 4 pixel `rgb(117, 175, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(117, 175, 189); -webkit-box-shadow:4px 4px 4px 4px rgb(117, 175, 189); box-shadow:4px 4px 4px 4px rgb(117, 175, 189) }
```

Background

The CSS property to change the background color of an element to RYB 117, 149, 189 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 175, 189) }
```

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

```
.background{ background-color: rgb(117,  
175, 189) }
```

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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