

Converting Colors

`RYB(116, 163, 187)`

Have a look what the booklet for
RYB(116, 163, 187) contains.

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Color

R_YB(116, 163, 187)

Conversions

Conversions Part 1

Format	Color
Hex	74BB98
RGB	116, 187, 152
RGB Percent	45%, 73%, 60%
CMY	0.5451, 0.2667, 0.4029
CMYK	0.38, 0.00, 0.19, 0.27
HSL	151°, 34%, 59%
HSV	151°, 38%, 73%
XYZ	30.6612, 41.5290, 36.2154
YIQ	161.7810, -31.0810, -25.9370

Conversions

Conversions Part 2

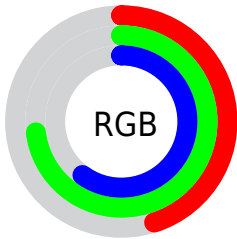
Format	Color
R _Y B	116, 163, 187
Decimal	7650200
CIE Lab	70.54, -30.12, 10.64
CIE LCh	71, 31.948, 160.540
Yxy	41.5290, 0.2828, 0.3831
Android (android.graphics.Color)	4285840280 (0xFF74BB98)
YUV	161.7810, -4.8220, -40.1499
Hunter-Lab	64.4430, -27.8471, 11.7906

Details

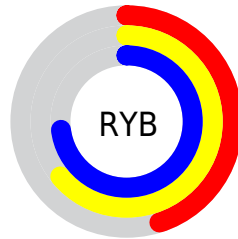
The RYB color **116, 163, 187** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **187, 116, 151**, and the grayscale version is **162, 162, 162**.

A 20% lighter version of the original color is **170, 220, 244**, and **63, 108, 133** is the 20% darker color. If you saturate the color by 10%, you get **97, 157, 187**, and if you desaturate by 10%, it is **135, 170, 187**.

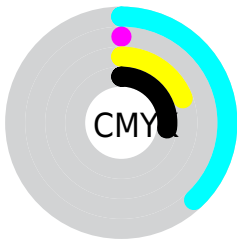
Distribution



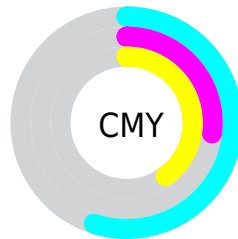
- Red (45%)
- Green (73%)
- Blue (60%)



- Red (45%)
- Yellow (64%)
- Blue (73%)



- Cyan (38%)
- Magenta (0%)
- Yellow (19%)
- Black (27%)



- Cyan (55%)
- Magenta (27%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the RYB color 116, 163, 187 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 116, 163, 187 by changing the saturation by 10% instead.

 116, 163, 187


255, 255, 255


 170, 219, 244

 199, 233, 255

 227, 241, 255

 116, 163, 187

 90, 136, 160

 63, 108, 133

 36, 82, 108

 0, 50, 83

 0, 38, 59

 0, 29, 38

 0, 4, 4

 0, 0, 0

 116, 163, 187

 116, 163, 187

■ 97, 157, 187

■ 135, 170, 187

■ 79, 151, 187

■ 153, 175, 187

■ 60, 144, 187

■ 172, 182, 187

■ 41, 137, 187

■ 191, 187, 189

■ 23, 132, 187

■ 210, 187, 198

■ 4, 125, 187

■ 228, 187, 207

■ 0, 124, 187

■ 247, 187, 216

■ 255, 187, 225

■ 255, 187, 235

Harmonies

Analogous

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



128, 182, 160



116, 163, 187



85, 139, 189

Triad

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



116, 163, 187



149, 167, 229



226, 160, 136

Complementary

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



116, 163, 187



187, 116, 151

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.



230, 151, 163



116, 163, 187



190, 161, 217

Square

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



116, 163, 187



106, 152, 227



218, 153, 193



207, 209, 118

Rectangle

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



116, 163, 187



75, 135, 201



218, 153, 193



229, 154, 144

Sweetspot

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



116, 163, 187



216, 233, 242



116, 187, 151



106, 116, 122



250, 250, 250



122, 122, 122

Same Dimension

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



116, 163, 187



131, 204, 242



116, 152, 187



85, 91, 94



0, 104, 158



0, 20, 31

Inverse Universe

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



187, 116, 151



242, 131, 185



187, 116, 116



94, 85, 90



158, 0, 77



31, 0, 15

Previews

White Background



This preview shows how the RYB color 116, 163, 187 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 116, 163, 187 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

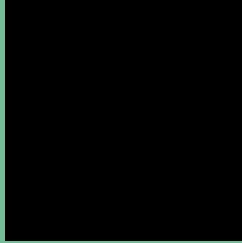
Any Text WCAG AA ✓ Pass

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 116, 163, 187 Background



This preview shows how black text looks on a background with the RYB color 116, 163, 187.

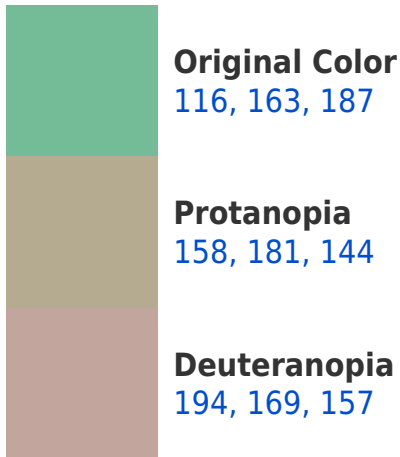


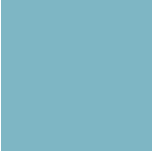
This preview shows how white text looks on a background with the RYB color 116, 163, 187.

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
126, 157, 196

Trichromacy



Original Color
116, 163, 187

Protanomaly
147, 177, 167

Deuteranomaly
155, 174, 163

Tritanomaly
122, 153, 183

Monochromacy



Original Color
116, 163, 187

Achromatopsia
162, 162, 162

Achromatomaly
145, 162, 171

CSS Examples

Text

The CSS property to change the color of the text to RYB 116, 163, 187 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(116, 187, 152)` looks like.

```
.text, #text, p{  
    color:rgb(116, 187, 152)  
}
```

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(116, 187, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 187, 152) }
```

Border

The CSS property to change the border of an element to RYB 116, 163, 187 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(116, 187, 152) }
```

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

```
.border{ border-color:rgb(116, 187, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 187, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 187, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 187, 152);  
box-shadow:4px 4px 4px 4px rgb(116, 187,  
152) }
```

Background

The CSS property to change the background color of an element to RYB 116, 163, 187 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 187, 152) }
```

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

```
.background{ background-color: rgb(116,  
187, 152) }
```

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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