

Converting Colors

`RYB(116, 168, 193)`

Have a look what the booklet for
RYB(116, 168, 193) contains.

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Color

R_YB(116, 168, 193)

Conversions

Conversions Part 1

Format	Color
Hex	74C199
RGB	116, 193, 153
RGB Percent	45%, 76%, 60%
CMY	0.5451, 0.2431, 0.3999
CMYK	0.40, 0.00, 0.21, 0.24
HSL	149°, 38%, 61%
HSV	149°, 40%, 76%
XYZ	32.0238, 44.1535, 36.9800
YIQ	165.4170, -33.0520, -28.7640

Conversions

Conversions Part 2

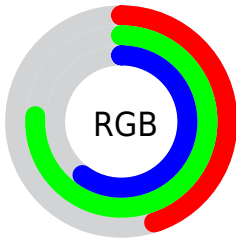
Format	Color
RYB	116, 168, 193
Decimal	7651737
CIELab	72.33, -32.82, 12.75
CIELCh	72, 35.207, 158.760
Yxy	44.1535, 0.2830, 0.3902
Android (android.graphics.Color)	4285841817 (0xFF74C199)
YUV	165.4170, -6.1216, -43.3387
Hunter-Lab	66.4481, -30.2584, 13.5173

Details

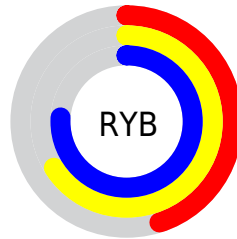
The RYB color **116, 168, 193** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **193, 116, 156**, and the grayscale version is **166, 166, 166**.

A 20% lighter version of the original color is **171, 225, 250**, and **62, 113, 139** is the 20% darker color. If you saturate the color by 10%, you get **97, 162, 193**, and if you desaturate by 10%, it is **135, 174, 193**.

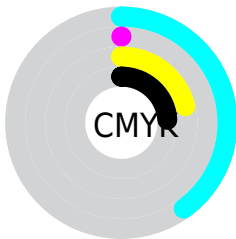
Distribution



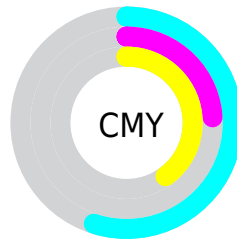
- Red (45%)
- Green (76%)
- Blue (60%)



- Red (45%)
- Yellow (66%)
- Blue (76%)



- Cyan (40%)
- Magenta (0%)
- Yellow (21%)
- Black (24%)



- Cyan (55%)
- Magenta (24%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the RYB color 116, 168, 193 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, 168, 193 by changing the saturation by 10% instead.

 116, 168, 193


255, 255, 255


 171, 225, 250

 199, 233, 255

 228, 242, 255

 116, 168, 193

 89, 141, 166

 62, 113, 139

 34, 85, 113

 0, 54, 88

 0, 42, 64


 0, 33, 42

 0, 15, 15


 0, 0, 0

 116, 168, 193


 116, 168, 193

 97, 162, 193


 135, 174, 193

 77, 155, 193


 155, 181, 193


 58, 149, 193

 174, 187, 193


 39, 143, 193


 193, 193, 193

 20, 137, 193

 212, 193, 203

 0, 130, 193

 232, 193, 213

 251, 193, 223

 255, 193, 233

 255, 193, 243

Harmonies

Analogous

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



126, 187, 158



116, 168, 193



78, 139, 195

Triad

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



116, 168, 193



148, 170, 241



237, 163, 139

Complementary

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



116, 168, 193



193, 116, 156

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.



240, 153, 169



116, 168, 193



194, 166, 228

Square

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



116, 168, 193



97, 152, 237



226, 156, 201



219, 217, 118

Rectangle

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



116, 168, 193



62, 131, 207



226, 156, 201



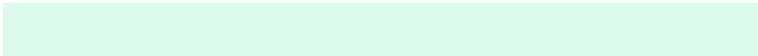
240, 156, 148

Sweetspot

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



116, 168, 193



220, 240, 250



116, 193, 152



107, 119, 125



252, 252, 252



125, 125, 125

Same Dimension

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



116, 168, 193



130, 211, 250



116, 155, 193



87, 94, 97



0, 109, 161



0, 22, 33

Inverse Universe

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



193, 116, 156



250, 130, 192



193, 116, 119



97, 87, 92



161, 0, 83



33, 0, 17

Previews

White Background



This preview shows how the RYB color 116, 168, 193 looks on a white background.

Color Contrast Check

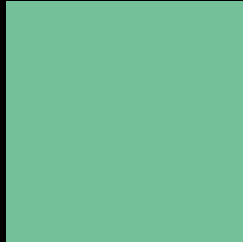
Large Text (above 18pt) WCAG AA × Fail

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, 168, 193 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

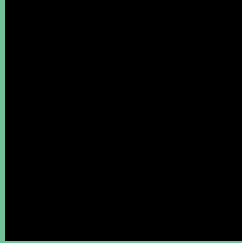
Any Text WCAG AA ✓ Pass

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, 168, 193 Background



This preview shows how black text looks on a background with the RYB color 116, 168, 193.

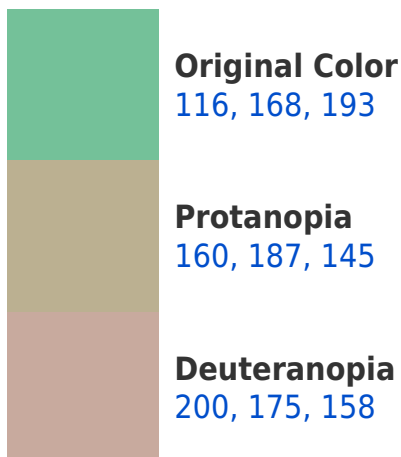


This preview shows how white text looks on a background with the RYB color 116, 168, 193.

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
127, 160, 201

Trichromacy



Original Color

116, 168, 193



Protanomaly

148, 182, 169



Deuteranomaly

156, 178, 165



Tritanomaly

123, 157, 189

Monochromacy



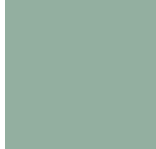
Original Color

116, 168, 193



Achromatopsia

165, 165, 165



Achromatomaly

147, 166, 175

CSS Examples

Text

The CSS property to change the color of the text to RYB 116, 168, 193 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, 193, 153)` looks like.

```
.text, #text, p{  
    color:rgb(116, 193, 153)  
}
```

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, 193, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 193, 153) }
```

Border

The CSS property to change the border of an element to RYB 116, 168, 193 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, 193, 153) }
```

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

```
.border{ border-color:rgb(116, 193, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 193, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 193, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 193, 153);  
box-shadow:4px 4px 4px 4px rgb(116, 193,  
153) }
```

Background

The CSS property to change the background color of an element to RYB 116, 168, 193 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 193, 153) }
```

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

```
.background{ background-color: rgb(116,  
193, 153) }
```

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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