

Converting Colors

`RYB(116, 157, 190)`

Have a look what the booklet for
RYB(116, 157, 190) contains.

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Color

R_YB(116, 157, 190)

Conversions

Conversions Part 1

Format	Color
Hex	74BEB0
RGB	116, 190, 176
RGB Percent	45%, 75%, 69%
CMY	0.5451, 0.2549, 0.3115
CMYK	0.39, 0.00, 0.08, 0.25
HSL	168°, 36%, 60%
HSV	168°, 39%, 75%
XYZ	33.4090, 43.6572, 47.5127
YIQ	166.2780, -39.6100, -20.0420

Conversions

Conversions Part 2

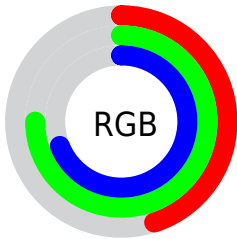
Format	Color
RYB	116, 157, 190
Decimal	7650992
CIELab	72.00, -26.44, 0.02
CIELCh	72, 26.437, 179.948
Yxy	43.6572, 0.2682, 0.3504
Android (android.graphics.Color)	4285841072 (0xFF74BEB0)
YUV	166.2780, 4.7929, -44.0938
Hunter-Lab	66.0736, -25.3731, 3.6167

Details

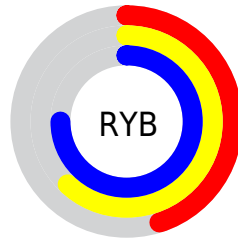
The RYB color **116, 157, 190** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **190, 116, 130**, and the grayscale version is **166, 166, 166**.

A 20% lighter version of the original color is **171, 213, 247**, and **62, 102, 136** is the 20% darker color. If you saturate the color by 10%, you get **97, 148, 190**, and if you desaturate by 10%, it is **135, 166, 190**.

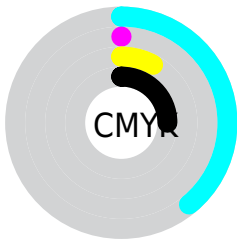
Distribution



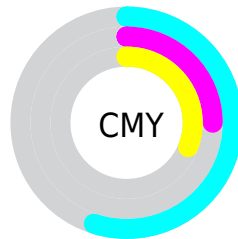
- Red (45%)
- Green (75%)
- Blue (69%)



- Red (45%)
- Yellow (62%)
- Blue (75%)



- Cyan (39%)
- Magenta (0%)
- Yellow (8%)
- Black (25%)



- Cyan (55%)
- Magenta (25%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the RYB color 116, 157, 190 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, 157, 190 by changing the saturation by 10% instead.


 116, 157, 190


255, 255, 255


 171, 213, 247

 199, 227, 255

 228, 242, 255

 116, 157, 190

 89, 130, 163

 62, 103, 136

 33, 76, 111

 0, 46, 86


 0, 34, 62

 0, 23, 40

 0, 9, 14

 0, 0, 0

 116, 157, 190

 116, 157, 190

■ 97, 148, 190

■ 135, 166, 190

■ 78, 140, 190

■ 154, 174, 190

■ 59, 132, 190

■ 173, 182, 190

■ 40, 123, 190

■ 192, 190, 190

■ 21, 115, 190

■ 211, 190, 194

■ 2, 106, 190

■ 230, 190, 198

■ 0, 105, 190

■ 249, 190, 202

■ 255, 190, 205

■ 255, 190, 209

Harmonies

Analogous

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



141, 179, 188



116, 157, 190



105, 150, 200

Triad

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



116, 157, 190



180, 170, 218



214, 189, 135

Complementary

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



116, 157, 190



190, 116, 130

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.



225, 162, 154



116, 157, 190



207, 163, 201

Square

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



116, 157, 190



146, 169, 224



223, 159, 177



155, 194, 128

Rectangle

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



116, 157, 190



110, 154, 213



223, 159, 177



219, 174, 141

Sweetspot

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



116, 157, 190



218, 234, 247



116, 190, 175



107, 117, 125



252, 252, 252



125, 125, 125

Same Dimension

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



116, 157, 190



131, 195, 247



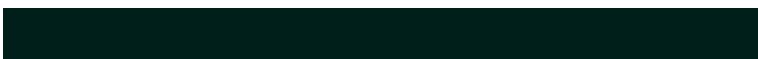
116, 147, 190



85, 90, 94



0, 88, 158



0, 17, 31

Inverse Universe

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



190, 116, 130



247, 131, 154



190, 147, 116



94, 85, 87



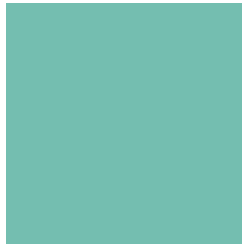
158, 0, 31



31, 0, 6

Previews

White Background



This preview shows how the RYB color 116, 157, 190 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, 157, 190 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, 157, 190 Background



This preview shows how black text looks on a background with the RYB color 116, 157, 190.

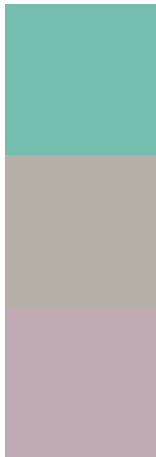


This preview shows how white text looks on a background with the RYB color 116, 157, 190.

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
116, 157, 190

Protanopia
178, 181, 167

Deuteranopia
191, 170, 180



Tritanopia
123, 158, 201

Trichromacy



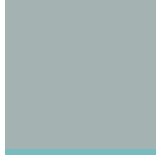
Original Color

116, 157, 190



Protanomaly

157, 172, 180



Deuteranomaly

164, 171, 178



Tritanomaly

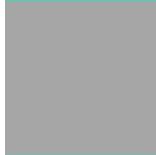
120, 155, 192

Monochromacy



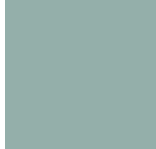
Original Color

116, 157, 190



Achromatopsia

166, 166, 166



Achromatomaly

148, 163, 175

CSS Examples

Text

The CSS property to change the color of the text to RYB 116, 157, 190 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, 190, 176)` looks like.

```
.text, #text, p{  
    color:rgb(116, 190, 176)  
}
```

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, 190, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 190, 176) }
```

Border

The CSS property to change the border of an element to RYB 116, 157, 190 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, 190, 176) }
```

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

```
.border{ border-color:rgb(116, 190, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 190, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 190, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 190, 176);  
box-shadow:4px 4px 4px 4px rgb(116, 190,  
176) }
```

Background

The CSS property to change the background color of an element to RYB 116, 157, 190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 190, 176) }
```

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

```
.background{ background-color: rgb(116,  
190, 176) }
```

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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