

Converting Colors

`RYB(115, 157, 196)`

Have a look what the booklet for
RYB(115, 157, 196) contains.

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Color

R_YB(115, 157, 196)

Conversions

Conversions Part 1

Format	Color
Hex	73C4BE
RGB	115, 196, 190
RGB Percent	45%, 77%, 75%
CMY	0.5490, 0.2314, 0.2541
CMYK	0.41, 0.00, 0.03, 0.23
HSL	176°, 41%, 61%
HSV	176°, 41%, 77%
XYZ	36.1279, 46.8518, 55.9772
YIQ	171.0970, -46.3500, -19.0380

Conversions

Conversions Part 2

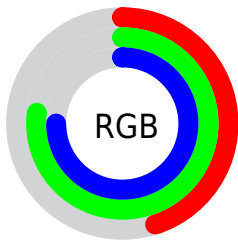
Format	Color
RYB	115, 157, 196
Decimal	7587006
CIELab	74.09, -26.15, -4.88
CIELCh	74, 26.601, 190.577
Yxy	46.8518, 0.2600, 0.3372
Android (android.graphics.Color)	4285777086 (0xFF73C4BE)
YUV	171.0970, 9.3192, -49.1971
Hunter-Lab	68.4484, -25.5702, -0.5737

Details

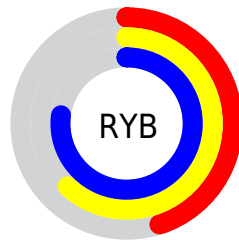
The RYB color **115, 157, 196** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **196, 115, 121**, and the grayscale version is **171, 171, 171**.

A 20% lighter version of the original color is **171, 214, 253**, and **59, 102, 142** is the 20% darker color. If you saturate the color by 10%, you get **95, 147, 196**, and if you desaturate by 10%, it is **135, 167, 196**.

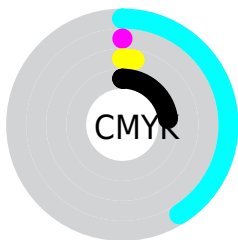
Distribution



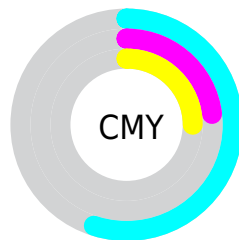
- Red (45%)
- Green (77%)
- Blue (75%)



- Red (45%)
- Yellow (62%)
- Blue (77%)



- Cyan (41%)
- Magenta (0%)
- Yellow (3%)
- Black (23%)



- Cyan (55%)
- Magenta (23%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the RYB color 115, 157, 196 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 115, 157, 196 by changing the saturation by 10% instead.

 115, 157, 196


255, 255, 255


 171, 214, 253

 199, 227, 255

 228, 242, 255

 115, 157, 196

 87, 130, 169

 59, 102, 142

 27, 73, 116

 0, 47, 91


 0, 34, 67

 0, 23, 44

 0, 13, 24

 0, 0, 0

 115, 157, 196

 115, 157, 196

■ 95, 147, 196

■ 135, 167, 196

■ 76, 138, 196

■ 154, 176, 196

■ 56, 129, 196

■ 174, 186, 196

■ 37, 119, 196

■ 193, 195, 196

■ 17, 110, 196

■ 213, 196, 197

■ 0, 102, 196

■ 233, 196, 199

■ 252, 196, 200

■ 255, 196, 201

■ 255, 196, 203

Harmonies

Analogous

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



136, 176, 195



115, 157, 196



111, 157, 213

Triad

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



115, 157, 196



197, 173, 219



214, 212, 137

Complementary

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



115, 157, 196



196, 115, 121

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.



229, 173, 151



115, 157, 196



221, 166, 199

Square

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



115, 157, 196



164, 178, 230



232, 164, 174



143, 191, 134

Rectangle

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



115, 157, 196



122, 163, 224



232, 164, 174



220, 196, 140

Sweetspot

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



115, 157, 196



224, 240, 255



115, 196, 189



110, 120, 128



0, 0, 0



128, 128, 128

Same Dimension

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



115, 157, 196



128, 194, 255



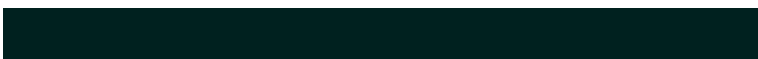
115, 145, 196



87, 92, 97



0, 84, 161



0, 17, 33

Inverse Universe

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



196, 115, 121



255, 128, 137



196, 174, 115



97, 87, 88



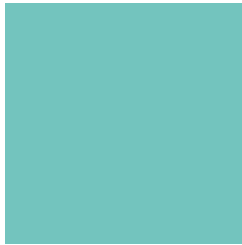
161, 0, 11



33, 0, 2

Previews

White Background



This preview shows how the RYB color 115, 157, 196 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 115, 157, 196 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

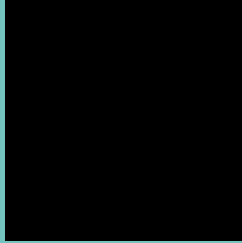
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

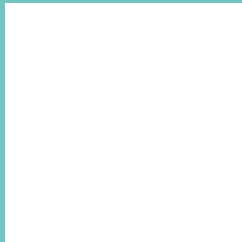
Any Text WCAG AAA ✓ Pass

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

RYB 115, 157, 196 Background



This preview shows how black text looks on a background with the RYB color 115, 157, 196.

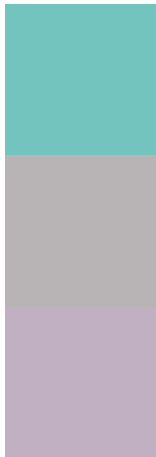


This preview shows how white text looks on a background with the RYB color 115, 157, 196.

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
115, 157, 196

Protanopia
184, 180, 181

Deuteranopia
193, 176, 194



Tritanopia
120, 160, 209

Trichromacy



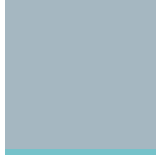
Original Color

115, 157, 196



Protanomaly

159, 173, 186



Deuteranomaly

165, 176, 193



Tritanomaly

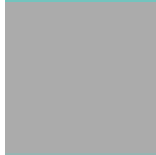
118, 158, 202

Monochromacy



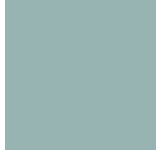
Original Color

115, 157, 196



Achromatopsia

171, 171, 171



Achromatomaly

151, 166, 180

CSS Examples

Text

The CSS property to change the color of the text to RYB 115, 157, 196 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(115, 196, 190)` looks like.

```
.text, #text, p{  
    color:rgb(115, 196, 190)  
}
```

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(115, 196, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 196, 190) }
```

Border

The CSS property to change the border of an element to RYB 115, 157, 196 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(115, 196, 190) }
```

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

```
.border{ border-color:rgb(115, 196, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 196, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 196, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 196, 190);  
box-shadow:4px 4px 4px 4px rgb(115, 196,  
190) }
```

Background

The CSS property to change the background color of an element to RYB 115, 157, 196 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 196, 190) }
```

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

```
.background{ background-color: rgb(115,  
196, 190) }
```

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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