

Converting Colors

`RYB(97, 157, 203)`

Have a look what the booklet for
RYB(97, 157, 203) contains.

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Color

RYB(97, 157, 203)

Conversions

Conversions Part 1

Format	Color
Hex	61CBB2
RGB	97, 203, 178
RGB Percent	38%, 80%, 70%
CMY	0.6196, 0.2039, 0.3009
CMYK	0.52, 0.00, 0.12, 0.20
HSL	166°, 50%, 59%
HSV	166°, 52%, 80%
XYZ	34.3484, 48.4783, 49.8069
YIQ	168.4560, -55.1510, -30.2470

Conversions

Conversions Part 2

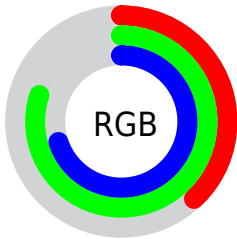
Format	Color
RYB	97, 157, 203
Decimal	6409138
CIELab	75.13, -36.64, 3.01
CIELCh	75, 36.762, 175.301
Yxy	48.4783, 0.2590, 0.3655
Android (android.graphics.Color)	4284599218 (0xFF61CBB2)
YUV	168.4560, 4.7052, -62.6669
Hunter-Lab	69.6264, -33.7878, 6.3257

Details

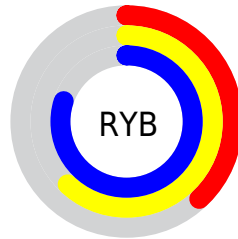
The RYB color **97, 157, 203** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **203, 97, 122**, and the grayscale version is **168, 168, 168**.

A 20% lighter version of the original color is **155, 211, 255**, and **32, 96, 148** is the 20% darker color. If you saturate the color by 10%, you get **77, 148, 203**, and if you desaturate by 10%, it is **117, 166, 203**.

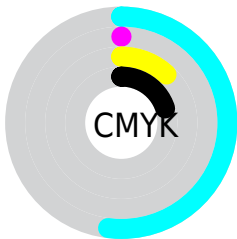
Distribution



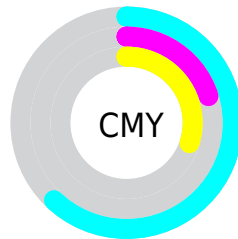
- Red (38%)
- Green (80%)
- Blue (70%)



- Red (38%)
- Yellow (62%)
- Blue (80%)



- Cyan (52%)
- Magenta (0%)
- Yellow (12%)
- Black (20%)




- Cyan (62%)
- Magenta (20%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the RYB color 97, 157, 203 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 97, 157, 203 by changing the saturation by 10% instead.

 97, 157, 203


255, 255, 255


 155, 211, 255

 184, 220, 255

 213, 234, 255

 243, 249, 255

 97, 157, 203

 67, 127, 175

 32, 96, 148

 0, 67, 122


 0, 54, 97


 0, 41, 72

 0, 29, 49

 0, 20, 27

 0, 0, 0

 97, 157, 203

 97, 157, 203

■ 77, 148, 203

■ 117, 166, 203

■ 56, 139, 203

■ 138, 175, 203

■ 36, 131, 203

■ 158, 184, 203

■ 16, 122, 203

■ 178, 192, 203

■ 0, 115, 203

■ 199, 201, 203

■ 219, 203, 207

■ 239, 203, 211

■ 255, 203, 216

■ 255, 203, 221

Harmonies

Analogous

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



139, 194, 199



97, 157, 203



63, 135, 213

Triad

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



97, 157, 203



182, 178, 246



239, 191, 130

Complementary

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



97, 157, 203



203, 97, 122

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.



251, 161, 158



97, 157, 203



223, 166, 224

Square

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



97, 157, 203



129, 170, 252



247, 160, 192



165, 213, 117

Rectangle

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



97, 157, 203



66, 140, 232



247, 160, 192



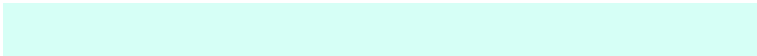
245, 176, 138

Sweetspot

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



97, 157, 203



214, 237, 255



97, 203, 178



103, 117, 128



0, 0, 0



128, 128, 128

Same Dimension

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



97, 157, 203



94, 185, 255



97, 142, 203



92, 98, 102



0, 94, 166



0, 22, 38

Inverse Universe

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



203, 97, 122



255, 94, 132



203, 135, 97



102, 92, 94



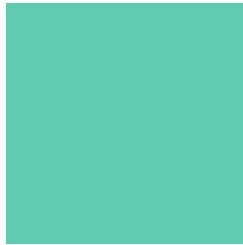
166, 0, 39



38, 0, 9

Previews

White Background



This preview shows how the RYB color 97, 157, 203 looks on a white background.

Color Contrast Check

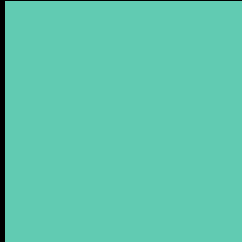
Large Text (above 18pt) WCAG AA × Fail

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 97, 157, 203 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](#).

RYP 97, 157, 203 Background



This preview shows how black text looks on a background with the RYP color 97, 157, 203.

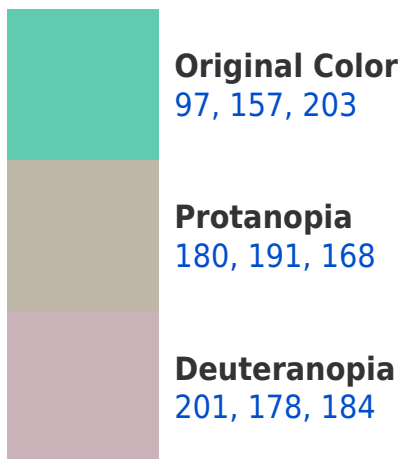


This preview shows how white text looks on a background with the RYP color 97, 157, 203.

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





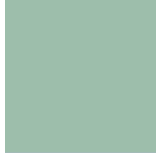
Tritanopia
108, 157, 214

Trichromacy



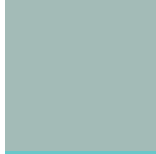
Original Color

97, 157, 203



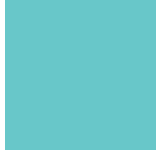
Protanomaly

157, 180, 190



Deuteranomaly

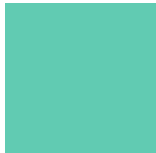
163, 176, 187



Tritanomaly

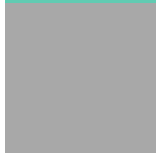
104, 152, 201

Monochromacy



Original Color

97, 157, 203



Achromatopsia

168, 168, 168



Achromatomaly

142, 164, 181

CSS Examples

Text

The CSS property to change the color of the text to RYB 97, 157, 203 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(97, 203, 178)` looks like.

```
.text, #text, p{  
    color:rgb(97, 203, 178)  
}
```

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(97, 203, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 203, 178) }
```

Border

The CSS property to change the border of an element to RYB 97, 157, 203 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(97, 203, 178) }
```

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

```
.border{ border-color:rgb(97, 203, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 203, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 203, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 203, 178);  
box-shadow:4px 4px 4px 4px rgb(97, 203,  
178) }
```

Background

The CSS property to change the background color of an element to RGB 97, 157, 203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 203, 178) }
```

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

```
.background{ background-color: rgb(97, 203,  
178) }
```

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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