

Converting Colors

`RYB(97, 150, 212)`

Have a look what the booklet for RYB(97, 150, 212) contains.

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Color

$\text{RYB}(97, 150, 212)$

Conversions

Conversions Part 1

Format	Color
Hex	61C3D4
RGB	97, 195, 212
RGB Percent	38%, 76%, 83%
CMY	0.6196, 0.2341, 0.1686
CMYK	0.54, 0.08, 0.00, 0.17
HSL	189°, 57%, 61%
HSV	189°, 54%, 83%
XYZ	36.3973, 46.4625, 69.3372
YIQ	167.6360, -63.8650, -15.4890

Conversions

Conversions Part 2

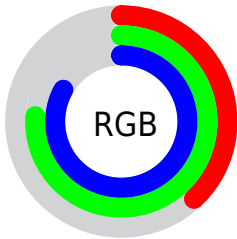
Format	Color
RYB	97, 150, 212
Decimal	6407124
CIELab	73.84, -24.17, -17.16
CIElCh	74, 29.646, 215.376
Yxy	46.4625, 0.2391, 0.3053
Android (android.graphics.Color)	4284597204 (0xFF61C3D4)
YUV	167.6360, 21.8715, -61.9478
Hunter-Lab	68.1634, -23.9723, -12.5965

Details

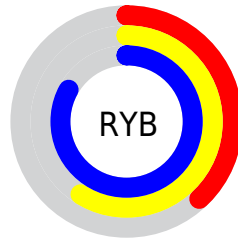
The RYB color **97, 150, 212** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **212, 117, 97**, and the grayscale version is **168, 168, 168**.

A 20% lighter version of the original color is **156, 205, 255**, and **27, 88, 157** is the 20% darker color. If you saturate the color by 10%, you get **76, 139, 212**, and if you desaturate by 10%, it is **118, 161, 212**.

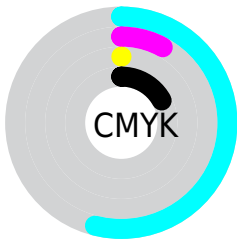
Distribution



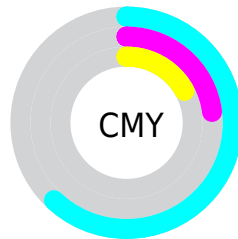
- Red (38%)
- Green (76%)
- Blue (83%)



- Red (38%)
- Yellow (59%)
- Blue (83%)



- Cyan (54%)
- Magenta (8%)
- Yellow (0%)
- Black (17%)



















- Cyan (62%)
- Magenta (23%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the RYB color 97, 150, 212 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, 150, 212 by changing the saturation by 10% instead.

 97, 150, 212	 97, 150, 212
 255, 255, 255	 66, 121, 184
 156, 205, 255	 27, 88, 157
 185, 220, 255	 0, 62, 131
 215, 235, 255	 0, 49, 106
 245, 250, 255	 0, 37, 82
	 0, 25, 59
	 0, 14, 37
	 0, 1, 15
	 0, 0, 0

■ 97, 150, 212

■ 97, 150, 212

■ 76, 139, 212

■ 118, 161, 212

■ 55, 127, 212

■ 139, 173, 212

■ 33, 115, 212

■ 161, 185, 212

■ 12, 104, 212

■ 182, 196, 212

■ 0, 98, 212

■ 203, 207, 212

■ 224, 214, 212

■ 245, 218, 212

■ 255, 222, 212

■ 255, 227, 212

Harmonies

Analogous

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



107, 155, 197



97, 150, 212



116, 161, 230

Triad

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



97, 150, 212



221, 165, 205



146, 196, 127

Complementary

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



97, 150, 212



212, 117, 97

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.



220, 204, 133



97, 150, 212



235, 161, 177

Square

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



97, 150, 212



192, 173, 226



234, 166, 151



136, 189, 159

Rectangle

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



97, 150, 212



141, 171, 235



234, 166, 151



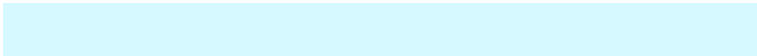
168, 205, 127

Sweetspot

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



97, 150, 212



214, 233, 255



97, 199, 212



103, 114, 128



0, 0, 0



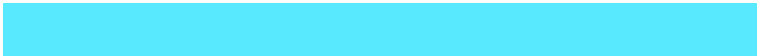
128, 128, 128

Same Dimension

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



97, 150, 212



89, 166, 255



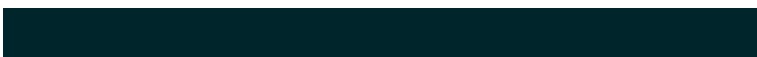
97, 128, 212



96, 101, 107



0, 79, 171



0, 20, 43

Inverse Universe

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



212, 97, 195



255, 89, 231



163, 212, 97



107, 96, 106



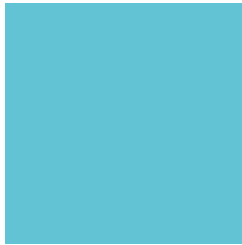
171, 0, 146



43, 0, 37

Previews

White Background



This preview shows how the RYB color 97, 150, 212 looks on a white background.

Color Contrast Check

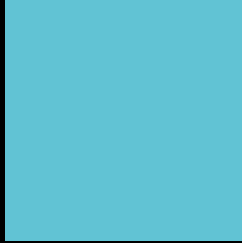
Large Text (above 18pt) WCAG AA × Fail

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, 150, 212 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

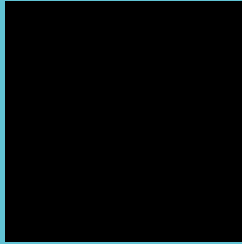
Any Text WCAG AA ✓ Pass

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](#).

R Y B 97, 150, 212 Background



This preview shows how black text looks on a background with the RYB color 97, 150, 212.

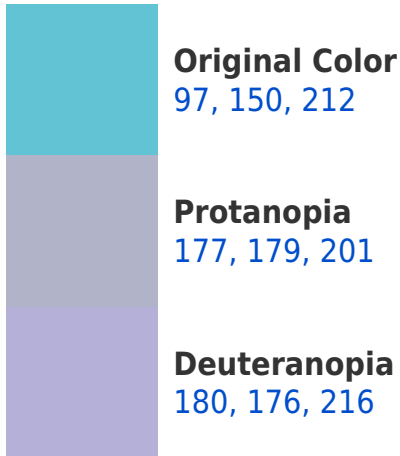


This preview shows how white text looks on a background with the RYB color 97, 150, 212.

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
97, 150, 211

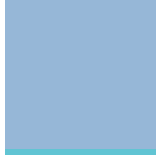
Trichromacy



Original Color
97, 150, 212



Protanomaly
148, 170, 205



Deuteranomaly
150, 172, 215

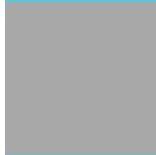


Tritanomaly
97, 150, 211

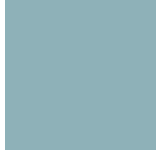
Monochromacy



Original Color
97, 150, 212



Achromatopsia
168, 168, 168



Achromatomaly
142, 161, 184

CSS Examples

Text

The CSS property to change the color of the text to RYB 97, 150, 212 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, 195, 212)` looks like.

```
.text, #text, p{  
    color:rgb(97, 195, 212)  
}
```

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, 195, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 195, 212) }
```

Border

The CSS property to change the border of an element to RYB 97, 150, 212 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, 195, 212) }
```

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

```
.border{ border-color:rgb(97, 195, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 195, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 195, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 195, 212);  
box-shadow:4px 4px 4px 4px rgb(97, 195,  
212) }
```

Background

The CSS property to change the background color of an element to RGB 97, 150, 212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 195, 212) }
```

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

```
.background{ background-color: rgb(97, 195,  
212) }
```

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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