

Converting Colors

`RYB(97, 165, 231)`

Have a look what the booklet for
RYB(97, 165, 231) contains.

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Color

$\text{RYB}(97, 165, 231)$

Conversions

Conversions Part 1

Format	Color
Hex	61E7E3
RGB	97, 231, 227
RGB Percent	38%, 91%, 89%
CMY	0.6196, 0.0941, 0.1096
CMYK	0.58, 0.00, 0.02, 0.09
HSL	178°, 74%, 64%
HSV	178°, 58%, 91%
XYZ	47.3789, 65.2425, 82.8116
YIQ	190.4780, -78.5800, -29.6520

Conversions

Conversions Part 2

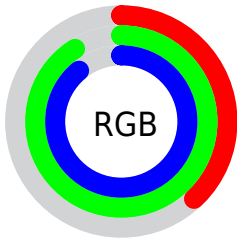
Format	Color
RYB	97, 165, 231
Decimal	6416355
CIELab	84.61, -37.21, -9.10
CIELCh	85, 38.306, 193.739
Yxy	65.2425, 0.2424, 0.3338
Android (android.graphics.Color)	4284606435 (0xFF61E7E3)
YUV	190.4780, 18.0053, -81.9802
Hunter-Lab	80.7728, -36.6497, -4.2455

Details

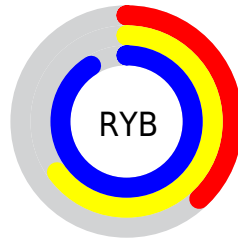
The RYB color **97, 165, 231** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **231, 97, 101**, and the grayscale version is **190, 190, 190**.

A 20% lighter version of the original color is **159, 207, 255**, and **0, 88, 175** is the 20% darker color. If you saturate the color by 10%, you get **74, 154, 231**, and if you desaturate by 10%, it is **120, 176, 231**.

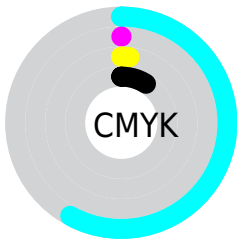
Distribution



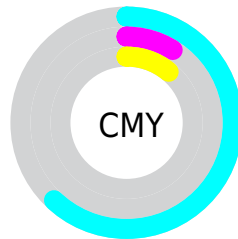
- Red (38%)
- Green (91%)
- Blue (89%)



- Red (38%)
- Yellow (65%)
- Blue (91%)



- Cyan (58%)
- Magenta (0%)
- Yellow (2%)
- Black (9%)



















- Cyan (62%)
- Magenta (9%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the RYB color 97, 165, 231 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, 165, 231 by changing the saturation by 10% instead.

 97, 165, 231	 97, 165, 231
 255, 255, 255	 62, 134, 203
 159, 207, 255	 0, 88, 175
 190, 223, 255	 0, 75, 148
 220, 238, 255	 0, 62, 122
 251, 253, 255	 0, 48, 96
	 0, 36, 72
	 0, 24, 49
	 0, 13, 28
	 0, 0, 0

■ 97, 165, 231

■ 97, 165, 231

■ 74, 154, 231

■ 120, 176, 231

■ 51, 142, 231

■ 143, 188, 231

■ 28, 131, 231

■ 166, 199, 231

■ 5, 120, 231

■ 189, 210, 231

■ 0, 117, 231

■ 213, 222, 231

■ 236, 231, 231

■ 255, 231, 232

■ 255, 231, 233

Harmonies

Analogous

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



136, 196, 230



97, 165, 231



91, 166, 255

Triad

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



97, 165, 231



237, 196, 255



236, 253, 142

Complementary

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



97, 165, 231



231, 97, 101

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.



255, 203, 163



97, 165, 231



255, 186, 232

Square

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



97, 165, 231



188, 204, 255



255, 184, 196



145, 219, 140

Rectangle

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



97, 165, 231



115, 176, 255



255, 184, 196



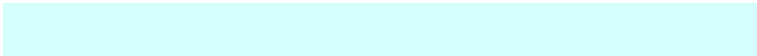
255, 244, 147

Sweetspot

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



97, 165, 231



212, 234, 255



97, 231, 227



102, 115, 128



0, 0, 0



128, 128, 128

Same Dimension

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



97, 165, 231



77, 167, 255



97, 143, 231



103, 109, 115



0, 91, 179



0, 26, 51

Inverse Universe

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



231, 97, 101



255, 77, 82



231, 216, 97



115, 103, 104



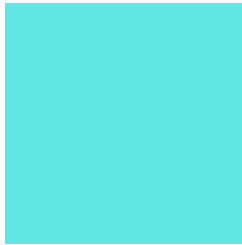
179, 0, 5



51, 0, 1

Previews

White Background



This preview shows how the RYB color 97, 165, 231 looks on a white background.

Color Contrast Check

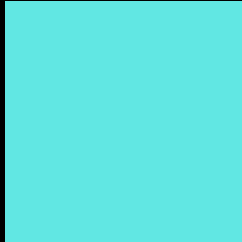
Large Text (above 18pt) WCAG AA × Fail

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, 165, 231 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

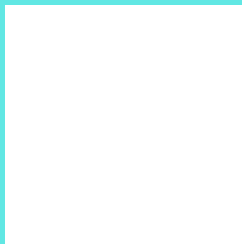
Any Text WCAG AAA ✓ Pass

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

RYB 97, 165, 231 Background



This preview shows how black text looks on a background with the RYB color 97, 165, 231.

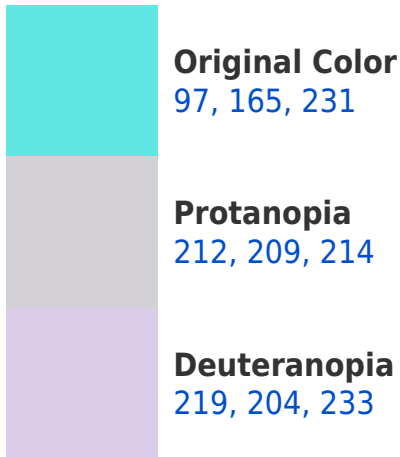


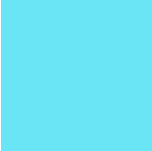
This preview shows how white text looks on a background with the RYB color 97, 165, 231.

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
105, 171, 246

Trichromacy



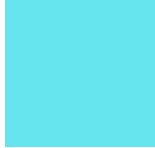
Original Color
97, 165, 231



Protanomaly
170, 194, 219



Deuteranomaly
175, 198, 231

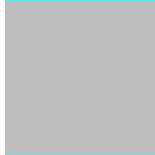


Tritanomaly
102, 168, 239

Monochromacy



Original Color
97, 165, 231



Achromatopsia
190, 190, 190



Achromatomaly
156, 181, 205

CSS Examples

Text

The CSS property to change the color of the text to RYB 97, 165, 231 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, 231, 227)` looks like.

```
.text, #text, p{  
    color:rgb(97, 231, 227)  
}
```

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, 231, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 231, 227) }
```

Border

The CSS property to change the border of an element to RYB 97, 165, 231 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, 231, 227) }
```

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

```
.border{ border-color:rgb(97, 231, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 231, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 231, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 231, 227);  
box-shadow:4px 4px 4px 4px rgb(97, 231,  
227) }
```

Background

The CSS property to change the background color of an element to RGB 97, 165, 231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 231, 227) }
```

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

```
.background{ background-color: rgb(97, 231,  
227) }
```

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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