

Converting Colors

`RYB(97, 169, 235)`

Have a look what the booklet for
RYB(97, 169, 235) contains.

RYB(97, 169, 235)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

`RYB(97, 169, 235)`

Conversions

Conversions Part 1

Format	Color
Hex	61EBE0
RGB	97, 235, 224
RGB Percent	38%, 92%, 88%
CMY	0.6196, 0.0784, 0.1235
CMYK	0.59, 0.00, 0.05, 0.08
HSL	175°, 78%, 65%
HSV	175°, 59%, 92%
XYZ	48.0249, 67.3128, 80.6275
YIQ	192.4840, -78.7170, -32.6770

Conversions

Conversions Part 2

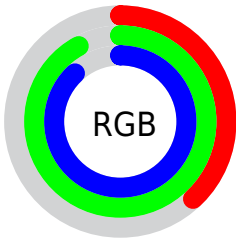
Format	Color
R _Y B	97, 169, 235
Decimal	6417376
CIE Lab	85.66, -39.96, -5.66
CIE LCh	86, 40.355, 188.066
Yxy	67.3128, 0.2451, 0.3435
Android (android.graphics.Color)	4284607456 (0xFF61EBE0)
YUV	192.4840, 15.5374, -83.7395
Hunter-Lab	82.0444, -39.0921, -0.8350

Details

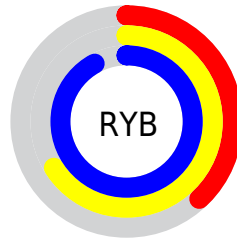
The RYB color **97, 169, 235** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **235, 97, 108**, and the grayscale version is **192, 192, 192**.

A 20% lighter version of the original color is **160, 208, 255**, and **0, 92, 179** is the 20% darker color. If you saturate the color by 10%, you get **74, 158, 235**, and if you desaturate by 10%, it is **121, 181, 235**.

Distribution



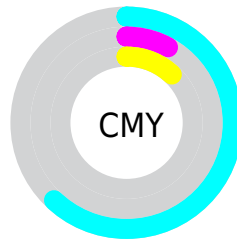
- Red (38%)
- Green (92%)
- Blue (88%)



- Red (38%)
- Yellow (66%)
- Blue (92%)



- Cyan (59%)
- Magenta (0%)
- Yellow (5%)
- Black (8%)



















- Cyan (62%)
- Magenta (8%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the RYB color 97, 169, 235 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, 169, 235 by changing the saturation by 10% instead.

 97, 169, 235	 97, 169, 235
 255, 255, 255	 62, 137, 206
 160, 208, 255	 0, 92, 179
 190, 223, 255	 0, 78, 151
 221, 238, 255	 0, 65, 125
 251, 253, 255	 0, 51, 99
	 0, 39, 75
	 0, 27, 51
	 0, 15, 29
	 0, 0, 0

■ 97, 169, 235

■ 97, 169, 235

■ 74, 158, 235

■ 121, 181, 235

■ 50, 146, 235

■ 144, 192, 235

■ 27, 135, 235

■ 168, 203, 235

■ 3, 124, 235

■ 191, 214, 235

■ 0, 123, 235

■ 215, 226, 235

■ 238, 235, 235

■ 255, 235, 237

■ 255, 235, 239

■ 255, 235, 241

Harmonies

Analogous

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



142, 204, 233



97, 169, 235



78, 161, 255

Triad

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



97, 169, 235



232, 201, 255



245, 255, 144

Complementary

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



97, 169, 235



235, 97, 108

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, 197, 169



97, 169, 235



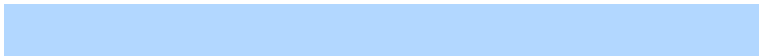
255, 189, 244

Square

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



97, 169, 235



178, 203, 255



255, 185, 205



156, 230, 138

Rectangle

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



97, 169, 235



99, 170, 255



255, 185, 205



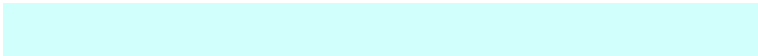
255, 237, 151

Sweetspot

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



97, 169, 235



209, 233, 255



97, 235, 223



99, 114, 128



0, 0, 0



128, 128, 128

Same Dimension

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



97, 169, 235



77, 170, 255



97, 148, 235



106, 112, 117



0, 94, 181



0, 28, 54

Inverse Universe

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



235, 97, 108



255, 77, 91



235, 197, 97



117, 106, 107



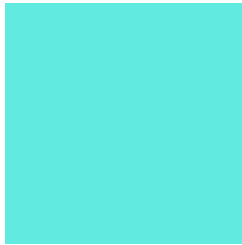
181, 0, 15



54, 0, 4

Previews

White Background



This preview shows how the RYB color 97, 169, 235 looks on a white background.

Color Contrast Check

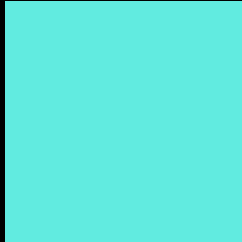
Large Text (above 18pt) WCAG AA × Fail

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, 169, 235 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

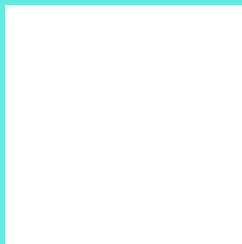
Any Text WCAG AAA ✓ Pass

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

RYB 97, 169, 235 Background



This preview shows how black text looks on a background with the RYB color 97, 169, 235.

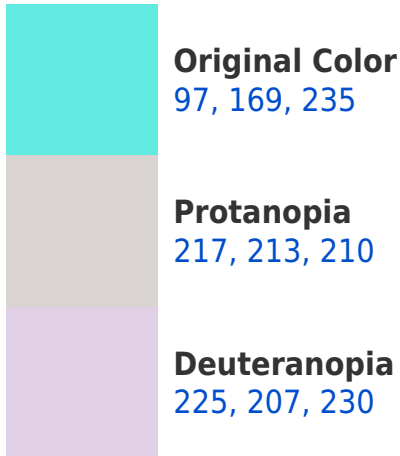


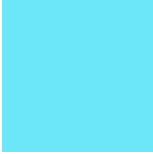
This preview shows how white text looks on a background with the RYB color 97, 169, 235.

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, 174, 250

Trichromacy



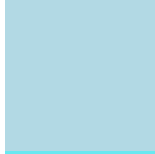
Original Color

97, 169, 235



Protanomaly

173, 198, 220



Deuteranomaly

178, 200, 228



Tritanomaly

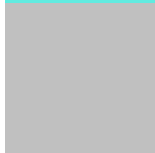
104, 170, 240

Monochromacy



Original Color

97, 169, 235



Achromatopsia

192, 192, 192



Achromatomaly

157, 184, 208

CSS Examples

Text

The CSS property to change the color of the text to RYB 97, 169, 235 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, 235, 224)` looks like.

```
.text, #text, p{  
    color:rgb(97, 235, 224)  
}
```

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, 235, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 235, 224) }
```

Border

The CSS property to change the border of an element to RYB 97, 169, 235 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, 235, 224) }
```

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

```
.border{ border-color:rgb(97, 235, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 235, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 235, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 235, 224);  
box-shadow:4px 4px 4px 4px rgb(97, 235,  
224) }
```

Background

The CSS property to change the background color of an element to RGB 97, 169, 235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 235, 224) }
```

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

```
.background{ background-color: rgb(97, 235,  
224) }
```

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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