

Converting Colors

`RYB(96, 161, 239)`

Have a look what the booklet for RYB(96, 161, 239) contains.

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Color

RYB(96, 161, 239)

Conversions

Conversions Part 1

Format	Color
Hex	60D7EF
RGB	96, 215, 239
RGB Percent	38%, 84%, 94%
CMY	0.6235, 0.1562, 0.0627
CMYK	0.60, 0.10, 0.00, 0.06
HSL	190°, 82%, 66%
HSV	190°, 60%, 94%
XYZ	44.7468, 57.4046, 90.3831
YIQ	182.1550, -78.6280, -17.7640

Conversions

Conversions Part 2

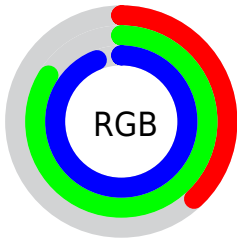
Format	Color
RYB	96, 161, 239
Decimal	6346735
CIELab	80.41, -26.58, -21.74
CIELCh	80, 34.342, 219.286
Yxy	57.4046, 0.2324, 0.2982
Android (android.graphics.Color)	4284536815 (0xFF60D7EF)
YUV	182.1550, 28.0246, -75.5579
Hunter-Lab	75.7658, -27.1693, -17.6926

Details

The RYB color **96, 161, 239** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **239, 125, 96**, and the grayscale version is **182, 182, 182**.

A 20% lighter version of the original color is **158, 207, 255**, and **0, 85, 183** is the 20% darker color. If you saturate the color by 10%, you get **72, 148, 239**, and if you desaturate by 10%, it is **120, 174, 239**.

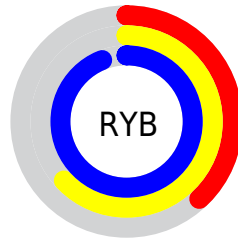
Distribution



Red (38%)

Green (84%)

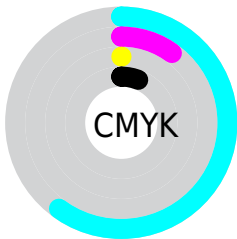
Blue (94%)



Red (38%)

Yellow (63%)

Blue (94%)

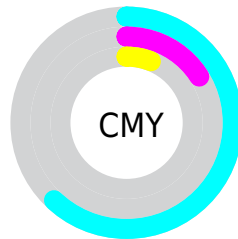


Cyan (60%)

Magenta (10%)

Yellow (0%)

Black (6%)



Cyan (62%)

















Magenta (16%)

Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the RYB color 96, 161, 239 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 96, 161, 239 by changing the saturation by 10% instead.

 96, 161, 239	 96, 161, 239
 255, 255, 255	 61, 129, 211
 158, 207, 255	 0, 85, 183
 189, 222, 255	 0, 72, 156
 219, 237, 255	 0, 59, 130
 250, 253, 255	 0, 47, 105
	 0, 34, 81
	 0, 23, 58
	 0, 4, 36
	 0, 0, 12

■ 96, 161, 239

■ 96, 161, 239

■ 72, 148, 239

■ 120, 174, 239

■ 48, 135, 239

■ 144, 187, 239

■ 24, 122, 239

■ 168, 200, 239

■ 0, 109, 239

■ 192, 213, 239

■ 216, 226, 239

■ 239, 239, 239

■ 255, 244, 239

■ 255, 255, 239

■ 244, 255, 239

Harmonies

Analogous

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



106, 164, 217



96, 161, 239



125, 176, 255

Triad

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



96, 161, 239



249, 178, 223



149, 212, 136

Complementary

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



96, 161, 239



239, 125, 96

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.



241, 239, 140



96, 161, 239



255, 175, 191

Square

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



96, 161, 239



217, 188, 249



255, 185, 160



149, 210, 182

Rectangle

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



96, 161, 239



156, 188, 255



255, 185, 160



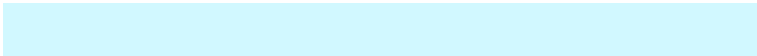
172, 223, 135

Sweetspot

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



96, 161, 239



209, 230, 255



96, 218, 239



99, 112, 128



0, 0, 0



128, 128, 128

Same Dimension

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



96, 161, 239



71, 155, 255



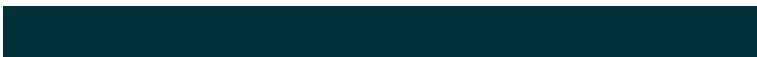
96, 132, 239



108, 113, 120



0, 84, 184



0, 26, 56

Inverse Universe

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



239, 96, 215



255, 71, 224



168, 239, 96



120, 108, 118



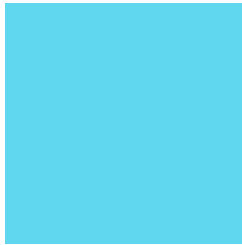
184, 0, 153



56, 0, 47

Previews

White Background



This preview shows how the RYB color 96, 161, 239 looks on a white background.

Color Contrast Check

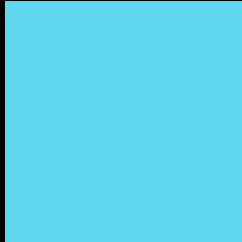
Large Text (above 18pt) WCAG AA × Fail

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 96, 161, 239 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 96, 161, 239 Background



This preview shows how black text looks on a background with the R Y B color 96, 161, 239.



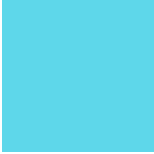
This preview shows how white text looks on a background with the R Y B color 96, 161, 239.

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



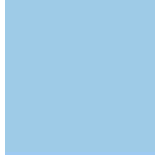


Tritanopia
94, 159, 234

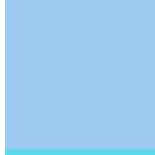
Trichromacy



Original Color
96, 161, 239



Protanomaly
158, 186, 231



Deuteranomaly
158, 187, 242

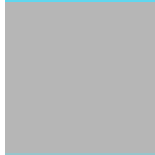


Tritanomaly
95, 160, 236

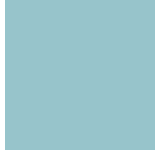
Monochromacy



Original Color
96, 161, 239



Achromatopsia
182, 182, 182



Achromatomaly
151, 175, 203

CSS Examples

Text

The CSS property to change the color of the text to RYB 96, 161, 239 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(96, 215, 239)` looks like.

```
.text, #text, p{  
    color:rgb(96, 215, 239)  
}
```

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(96, 215, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 215, 239) }
```

Border

The CSS property to change the border of an element to RYB 96, 161, 239 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(96, 215, 239) }
```

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

```
.border{ border-color:rgb(96, 215, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 215, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 215, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 215, 239);  
box-shadow:4px 4px 4px 4px rgb(96, 215,  
239) }
```

Background

The CSS property to change the background color of an element to RGB 96, 161, 239 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 215, 239) }
```

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

```
.background{ background-color: rgb(96, 215,  
239) }
```

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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