

Converting Colors

`RYB(70, 159, 233)`

Have a look what the booklet for
RYB(70, 159, 233) contains.

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Color

`RYB(70, 159, 233)`

Conversions

Conversions Part 1

Format	Color
Hex	46E9CE
RGB	70, 233, 206
RGB Percent	27%, 91%, 81%
CMY	0.7255, 0.0863, 0.1940
CMYK	0.70, 0.00, 0.12, 0.09
HSL	170°, 79%, 59%
HSV	170°, 70%, 91%
XYZ	42.7480, 64.0132, 68.1951
YIQ	181.1850, -88.4810, -42.9530

Conversions

Conversions Part 2

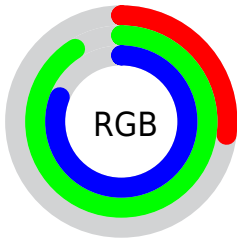
Format	Color
RYB	70, 159, 233
Decimal	4647374
CIELab	83.97, -47.83, 1.25
CIELCh	84, 47.847, 178.504
Yxy	64.0132, 0.2443, 0.3659
Android (android.graphics.Color)	4282837454 (0xFF46E9CE)
YUV	181.1850, 12.2338, -97.5092
Hunter-Lab	80.0083, -44.6428, 5.4699

Details

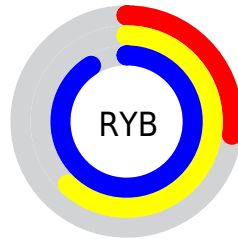
The RYB color **70, 159, 233** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light muted cyan. A complement of this color would be **233, 70, 97**, and the grayscale version is **181, 181, 181**.

A 20% lighter version of the original color is **139, 197, 255**, and **0, 94, 176** is the 20% darker color. If you saturate the color by 10%, you get **47, 148, 233**, and if you desaturate by 10%, it is **93, 170, 233**.

Distribution



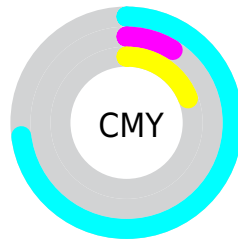
- Red (27%)
- Green (91%)
- Blue (81%)



- Red (27%)
- Yellow (62%)
- Blue (91%)



- Cyan (70%)
- Magenta (0%)
- Yellow (12%)
- Black (9%)














- Cyan (73%)
- Magenta (9%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the RYB color 70, 159, 233 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 70, 159, 233 by changing the saturation by 10% instead.

 70, 159, 233	 70, 159, 233
 255, 255, 255	 12, 115, 204
 139, 197, 255	 0, 95, 176
 170, 213, 255	 0, 81, 149
 201, 228, 255	 0, 68, 123
 232, 244, 255	 0, 54, 97
	 0, 41, 72
	 0, 29, 49
	 0, 16, 23
	 0, 0, 0

■ 70, 159, 233

■ 70, 159, 233

■ 47, 148, 233

■ 93, 170, 233

■ 23, 138, 233

■ 117, 180, 233

■ 0, 127, 233

■ 140, 191, 233

■ 163, 201, 233

■ 187, 212, 233

■ 210, 223, 233

■ 233, 233, 233

■ 255, 233, 237

■ 255, 233, 241

Harmonies

Analogous

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



140, 212, 229



70, 159, 233



0, 121, 251

Triad

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



70, 159, 233



211, 199, 255



255, 238, 134

Complementary

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



70, 159, 233



233, 70, 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.



255, 178, 169



70, 159, 233



255, 183, 255

Square

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



70, 159, 233



136, 183, 255



255, 174, 213



165, 240, 118

Rectangle

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



70, 159, 233



0, 121, 255



255, 174, 213



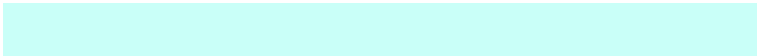
255, 209, 144

Sweetspot

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



70, 159, 233



201, 230, 255



70, 233, 203



96, 114, 128



0, 0, 0



128, 128, 128

Same Dimension

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



70, 159, 233



41, 158, 255



70, 136, 233



106, 112, 117



0, 99, 181



0, 29, 54

Inverse Universe

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



233, 70, 97



255, 41, 77



233, 146, 70



117, 106, 108



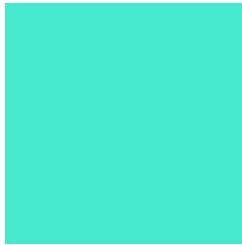
181, 0, 31



54, 0, 9

Previews

White Background



This preview shows how the RYB color 70, 159, 233 looks on a white background.

Color Contrast Check

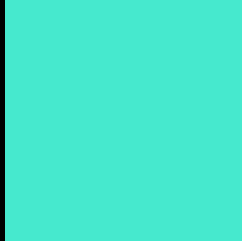
Large Text (above 18pt) WCAG AA × Fail

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 70, 159, 233 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

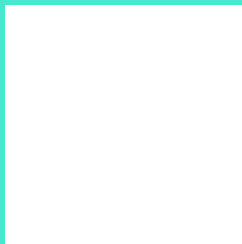
Any Text WCAG AAA ✓ Pass

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

R_YB 70, 159, 233 Background



This preview shows how black text looks on a background with the R_YB color 70, 159, 233.

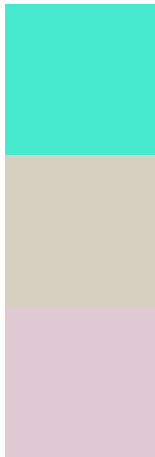


This preview shows how white text looks on a background with the R_YB color 70, 159, 233.

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](#).

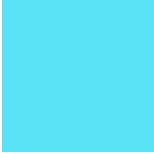
Dichromacy



Original Color
70, 159, 233

Protanopia
203, 215, 191

Deuteranopia
225, 201, 212



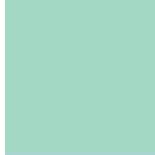
Tritanopia
90, 163, 246

Trichromacy



Original Color

70, 159, 233



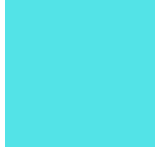
Protanomaly

162, 195, 216



Deuteranomaly

169, 192, 213



Tritanomaly

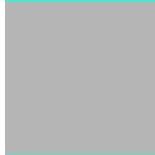
83, 156, 231

Monochromacy



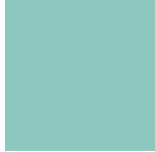
Original Color

70, 159, 233



Achromatopsia

181, 181, 181



Achromatomaly

141, 173, 200

CSS Examples

Text

The CSS property to change the color of the text to RYB 70, 159, 233 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(70, 233, 206)` looks like.

```
.text, #text, p{  
    color:rgb(70, 233, 206)  
}
```

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(70, 233, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 233, 206) }
```

Border

The CSS property to change the border of an element to RYB 70, 159, 233 is called "border". The border property can be set on classes, ids or directly on the HTML element.

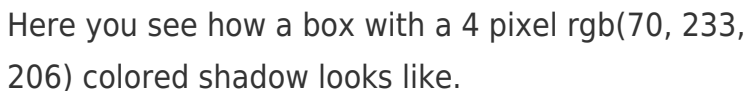
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(70, 233, 206) }
```

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

```
.border{ border-color:rgb(70, 233, 206) }
```

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



Here you see how a box with a 4 pixel `rgb(70, 233, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 233, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 233, 206);  
box-shadow:4px 4px 4px 4px rgb(70, 233,  
206) }
```

Background

The CSS property to change the background color of an element to RGB 70, 159, 233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 233, 206) }
```

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

```
.background{ background-color: rgb(70, 233,  
206) }
```

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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