

Converting Colors

`RYB(70, 153, 235)`

Have a look what the booklet for
RYB(70, 153, 235) contains.

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Color

`RYB(70, 153, 235)`

Conversions

Conversions Part 1

Format	Color
Hex	46EBE9
RGB	70, 235, 233
RGB Percent	27%, 92%, 91%
CMY	0.7255, 0.0784, 0.0862
CMYK	0.70, 0.00, 0.01, 0.08
HSL	179°, 80%, 60%
HSV	179°, 70%, 92%
XYZ	46.9438, 66.6026, 87.4812
YIQ	185.4370, -97.6980, -35.6020

Conversions

Conversions Part 2

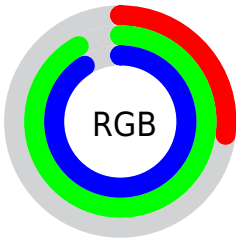
Format	Color
RYB	70, 153, 235
Decimal	4647913
CIELab	85.30, -41.42, -11.27
CIELCh	85, 42.926, 195.220
Yxy	66.6026, 0.2335, 0.3313
Android (android.graphics.Color)	4282837993 (0xFF46EBE9)
YUV	185.4370, 23.4486, -101.2382
Hunter-Lab	81.6104, -40.1418, -6.4278

Details

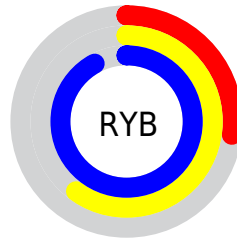
The RYB color **70, 153, 235** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **235, 70, 72**, and the grayscale version is **185, 185, 185**.

A 20% lighter version of the original color is **141, 198, 255**, and **0, 90, 179** is the 20% darker color. If you saturate the color by 10%, you get **47, 142, 235**, and if you desaturate by 10%, it is **94, 165, 235**.

Distribution



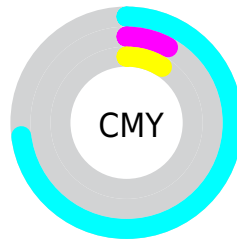
- Red (27%)
- Green (92%)
- Blue (91%)



- Red (27%)
- Yellow (60%)
- Blue (92%)



- Cyan (70%)
- Magenta (0%)
- Yellow (1%)
- Black (8%)




















- Cyan (73%)
- Magenta (8%)
- Yellow (9%)


Brightness & Saturation Gradients


These gradients show how the RYB color 70, 153, 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 70, 153, 235 by changing the saturation by 10% instead.


 70, 153, 235	 70, 153, 235
 255, 255, 255	 2, 104, 206
 141, 198, 255	 0, 90, 179
 173, 214, 255	 0, 76, 151
 204, 230, 255	 0, 63, 125
 235, 245, 255	 0, 50, 100
	 0, 37, 76
	 0, 26, 54
	 0, 15, 32
	 0, 0, 8

 70, 153, 235

 70, 153, 235


 47, 142, 235

 94, 165, 235

 23, 130, 235

 117, 176, 235

 0, 118, 235

 141, 188, 235

 164, 200, 235

 187, 211, 235

 211, 223, 235

 235, 235, 235

 255, 235, 235

 255, 235, 236

Harmonies

Analogous

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



123, 192, 234



70, 153, 235



60, 151, 255

Triad

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



70, 153, 235



244, 195, 255



224, 255, 135

Complementary

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



70, 153, 235



235, 70, 72

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, 207, 157



70, 153, 235



255, 184, 235

Square

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



70, 153, 235



189, 205, 255



255, 182, 194



137, 220, 134

Rectangle

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



70, 153, 235



98, 169, 255



255, 182, 194



249, 255, 140

Sweetspot

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



70, 153, 235



201, 228, 255



70, 235, 232



96, 112, 128



0, 0, 0



128, 128, 128

Same Dimension

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



70, 153, 235



41, 149, 255



70, 126, 235



106, 112, 117



0, 91, 181



0, 27, 54

Inverse Universe

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



235, 70, 72



255, 41, 43



235, 225, 70



117, 106, 106



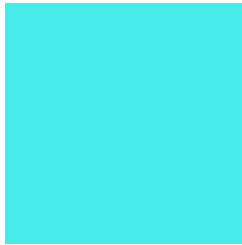
181, 0, 2



54, 0, 1

Previews

White Background



This preview shows how the RYB color 70, 153, 235 looks on a white background.

Color Contrast Check

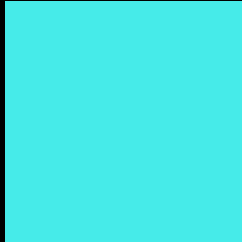
Large Text (above 18pt) WCAG AA × Fail

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 70, 153, 235 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

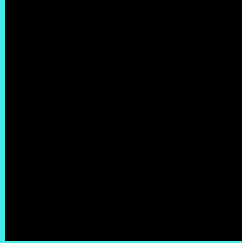
Any Text WCAG AA ✓ Pass

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](#).

RGB 70, 153, 235 Background



This preview shows how black text looks on a background with the RGB color 70, 153, 235.

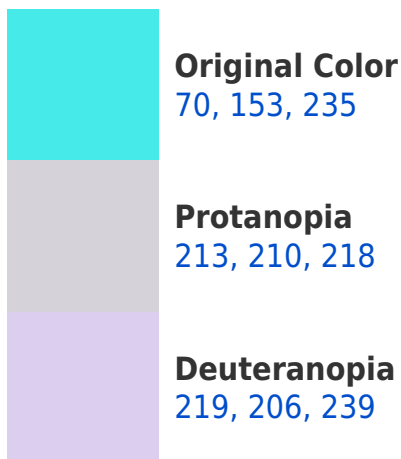


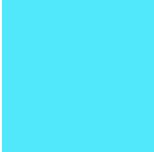
This preview shows how white text looks on a background with the RGB color 70, 153, 235.

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
81, 161, 251

Trichromacy



Original Color

70, 153, 235



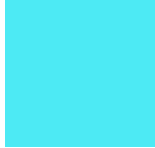
Protanomaly

161, 191, 223



Deuteranomaly

165, 195, 237



Tritanomaly

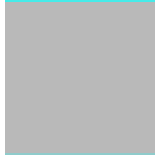
77, 158, 244

Monochromacy



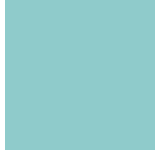
Original Color

70, 153, 235



Achromatopsia

185, 185, 185



Achromatomaly

143, 173, 203

CSS Examples

Text

The CSS property to change the color of the text to RYB 70, 153, 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(70, 235, 233)` looks like.

```
.text, #text, p{  
    color:rgb(70, 235, 233)  
}
```

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, 235, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 235, 233) }
```

Border

The CSS property to change the border of an element to RYB 70, 153, 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(70, 235, 233) }
```

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

```
.border{ border-color:rgb(70, 235, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 235, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 235, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 235, 233);  
box-shadow:4px 4px 4px 4px rgb(70, 235,  
233) }
```

Background

The CSS property to change the background color of an element to RGB 70, 153, 235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 235, 233) }
```

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

```
.background{ background-color: rgb(70, 235,  
233) }
```

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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