

Converting Colors

`RYB(76, 156, 235)`

Have a look what the booklet for
RYB(76, 156, 235) contains.

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Color

`RYB(76, 156, 235)`

Conversions

Conversions Part 1

Format	Color
Hex	4CEBE9
RGB	76, 235, 233
RGB Percent	30%, 92%, 91%
CMY	0.7020, 0.0784, 0.0862
CMYK	0.68, 0.00, 0.01, 0.08
HSL	179°, 80%, 61%
HSV	179°, 68%, 92%
XYZ	47.3986, 66.8371, 87.5028
YIQ	187.2310, -94.1220, -34.3300

Conversions

Conversions Part 2

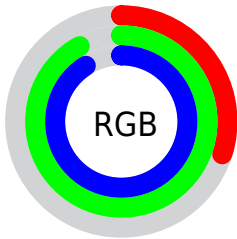
Format	Color
R _Y B	76, 156, 235
Decimal	5041129
CIE Lab	85.42, -40.66, -11.08
CIE LCh	85, 42.142, 195.243
Yxy	66.8371, 0.2350, 0.3313
Android (android.graphics.Color)	4283231209 (0xFF4CEBE9)
YUV	187.2310, 22.5641, -97.5496
Hunter-Lab	81.7539, -39.5802, -6.2315

Details

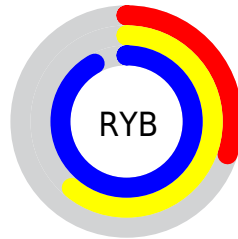
The RYB color **76, 156, 235** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **235, 76, 78**, and the grayscale version is **187, 187, 187**.

A 20% lighter version of the original color is **145, 200, 255**, and **0, 90, 179** is the 20% darker color. If you saturate the color by 10%, you get **52, 144, 235**, and if you desaturate by 10%, it is **100, 168, 235**.

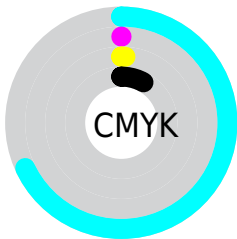
Distribution



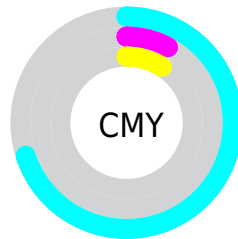
- Red (30%)
- Green (92%)
- Blue (91%)



- Red (30%)
- Yellow (61%)
- Blue (92%)



- Cyan (68%)
- Magenta (0%)
- Yellow (1%)
- Black (8%)




- Cyan (70%)
- Magenta (8%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the RYB color 76, 156, 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 76, 156, 235 by changing the saturation by 10% instead.

 76, 156, 235


255, 255, 255


 145, 200, 255

 176, 216, 255

 208, 232, 255

 239, 247, 255

 76, 156, 235

 24, 115, 206

 0, 90, 179


 0, 76, 151

 0, 63, 125


 0, 50, 100


 0, 37, 76


 0, 26, 54


 0, 15, 32


 0, 0, 8

 76, 156, 235

 76, 156, 235

 52, 144, 235


 100, 168, 235

 29, 133, 235

 123, 179, 235

 5, 121, 235

 147, 191, 235

 0, 118, 235

 170, 203, 235

 193, 214, 235

 217, 226, 235

 240, 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.



126, 193, 234



76, 156, 235



68, 155, 255

Triad

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



76, 156, 235



244, 196, 255



227, 255, 137

Complementary

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



76, 156, 235



235, 76, 78

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, 159



76, 156, 235



255, 185, 235

Square

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



76, 156, 235



190, 205, 255



255, 183, 194



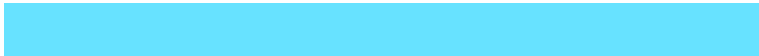
137, 220, 135

Rectangle

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



76, 156, 235



103, 171, 255



255, 183, 194



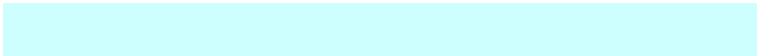
249, 255, 142

Sweetspot

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



76, 156, 235



204, 230, 255



76, 235, 232



97, 113, 128



0, 0, 0



128, 128, 128

Same Dimension

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



76, 156, 235



48, 152, 255



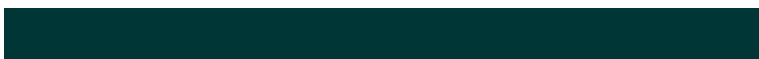
76, 130, 235



106, 112, 117



0, 91, 181



0, 27, 54

Inverse Universe

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



235, 76, 78



255, 48, 51



235, 225, 76



117, 106, 106



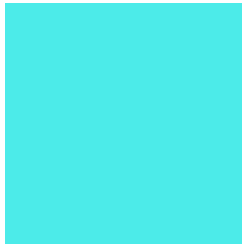
181, 0, 2



54, 0, 1

Previews

White Background



This preview shows how the RYB color 76, 156, 235 looks on a white background.

Color Contrast Check

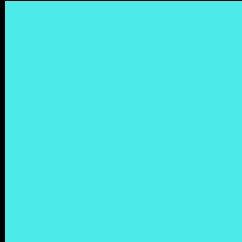
Large Text (above 18pt) WCAG AA × Fail

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 76, 156, 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 76, 156, 235 Background



This preview shows how black text looks on a background with the RYB color 76, 156, 235.

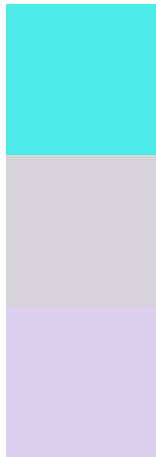


This preview shows how white text looks on a background with the RYB color 76, 156, 235.

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](#).

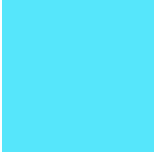
Dichromacy



Original Color
76, 156, 235

Protanopia
214, 211, 218

Deuteranopia
219, 206, 239



Tritanopia
86, 163, 251

Trichromacy



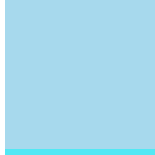
Original Color

76, 156, 235



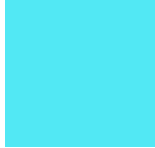
Protanomaly

164, 193, 223



Deuteranomaly

167, 196, 237



Tritanomaly

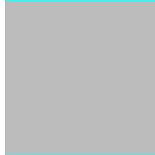
82, 160, 244

Monochromacy



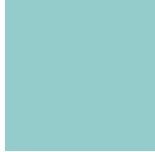
Original Color

76, 156, 235



Achromatopsia

187, 187, 187



Achromatomaly

147, 176, 204

CSS Examples

Text

The CSS property to change the color of the text to RYB 76, 156, 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(76, 235, 233)` looks like.

```
.text, #text, p{  
    color:rgb(76, 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(76, 235, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 235, 233) }
```

Border

The CSS property to change the border of an element to RYB 76, 156, 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(76, 235, 233) }
```

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

```
.border{ border-color:rgb(76, 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(76, 235, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 235, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 235, 233);  
box-shadow:4px 4px 4px 4px rgb(76, 235,  
233) }
```

Background

The CSS property to change the background color of an element to RYB 76, 156, 235 is called "background".

The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 235, 233) }
```

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

```
.background{ background-color: rgb(76, 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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