

Converting Colors

`RYB(76, 149, 243)`

Have a look what the booklet for
RYB(76, 149, 243) contains.

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Color

`RYB(76, 149, 243)`

Conversions

Conversions Part 1

Format	Color
Hex	4CCEF3
RGB	76, 206, 243
RGB Percent	30%, 81%, 95%
CMY	0.7020, 0.1934, 0.0471
CMYK	0.69, 0.15, 0.00, 0.05
HSL	193°, 87%, 63%
HSV	193°, 69%, 95%
XYZ	41.1553, 52.0018, 92.6623
YIQ	171.3480, -89.3570, -16.0530

Conversions

Conversions Part 2

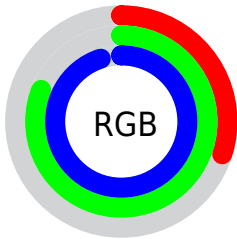
Format	Color
RYB	76, 149, 243
Decimal	5033715
CIELab	77.28, -23.81, -28.70
CIElCh	77, 37.290, 230.320
Yxy	52.0018, 0.2215, 0.2799
Android (android.graphics.Color)	4283223795 (0xFF4CCEF3)
YUV	171.3480, 35.3244, -83.6202
Hunter-Lab	72.1123, -24.3245, -25.7074

Details

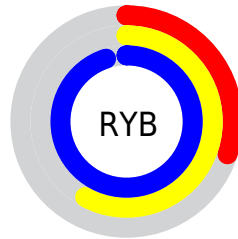
The RYB color **76, 149, 243** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **243, 124, 76**, and the grayscale version is **171, 171, 171**.

A 20% lighter version of the original color is **143, 199, 255**, and **0, 84, 187** is the 20% darker color. If you saturate the color by 10%, you get **52, 135, 243**, and if you desaturate by 10%, it is **100, 162, 243**.

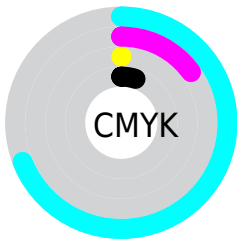
Distribution



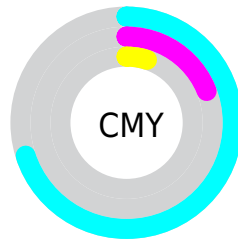
- Red (30%)
- Green (81%)
- Blue (95%)



- Red (30%)
- Yellow (58%)
- Blue (95%)



- Cyan (69%)
- Magenta (15%)
- Yellow (0%)
- Black (5%)



















- Cyan (70%)
- Magenta (19%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the RYB color 76, 149, 243 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, 149, 243 by changing the saturation by 10% instead.

 76, 149, 243	 76, 149, 243
 255, 255, 255	 28, 111, 215
 143, 199, 255	 0, 84, 187
 174, 215, 255	 0, 70, 160
 205, 230, 255	 0, 57, 133
 236, 246, 255	 0, 45, 108
	 0, 32, 84
	 0, 21, 60
	 0, 3, 38
	 0, 1, 16

■ 76, 149, 243

■ 76, 149, 243

■ 52, 135, 243

■ 100, 162, 243

■ 27, 122, 243

■ 125, 177, 243

■ 3, 108, 243

■ 149, 190, 243

■ 0, 106, 243

■ 173, 203, 243

■ 197, 217, 243

■ 222, 231, 243

■ 246, 245, 243

■ 255, 255, 243

■ 243, 255, 243

Harmonies

Analogous

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



71, 141, 214



76, 149, 243



125, 172, 255

Triad

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



76, 149, 243



251, 166, 204



125, 196, 131

Complementary

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



76, 149, 243



243, 124, 76

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.



187, 224, 123



76, 149, 243



255, 165, 169

Square

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



76, 149, 243



224, 174, 235



249, 188, 139



146, 204, 199

Rectangle

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



76, 149, 243



162, 184, 255



249, 188, 139



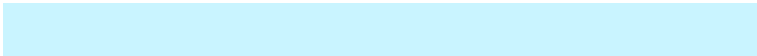
133, 203, 122

Sweetspot

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



76, 149, 243



201, 225, 255



76, 213, 243



96, 110, 128



0, 0, 0



128, 128, 128

Same Dimension

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



76, 149, 243



46, 137, 255



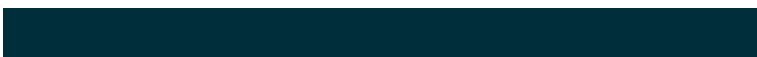
76, 113, 243



110, 115, 122



0, 81, 186



0, 26, 59

Inverse Universe

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



243, 76, 206



255, 46, 208



141, 243, 76



122, 110, 120



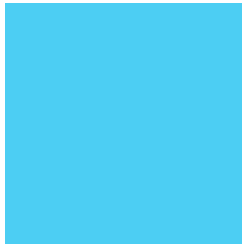
186, 0, 145



59, 0, 46

Previews

White Background



This preview shows how the RYB color 76, 149, 243 looks on a white background.

Color Contrast Check

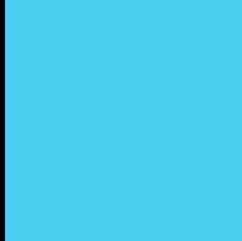
Large Text (above 18pt) WCAG AA × Fail

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, 149, 243 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

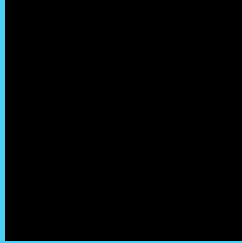
Any Text WCAG AA ✓ Pass

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, 149, 243 Background



This preview shows how black text looks on a background with the RYB color 76, 149, 243.

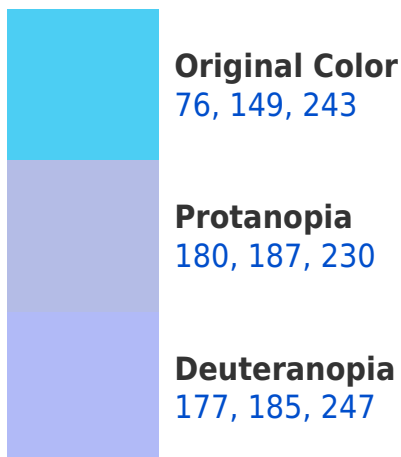


This preview shows how white text looks on a background with the RYB color 76, 149, 243.

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
65, 141, 226

Trichromacy



Original Color

76, 149, 243



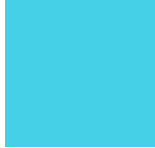
Protanomaly

142, 175, 235



Deuteranomaly

140, 175, 246



Tritanomaly

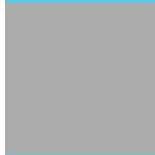
69, 144, 232

Monochromacy



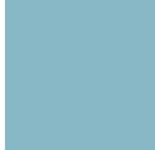
Original Color

76, 149, 243



Achromatopsia

171, 171, 171



Achromatomaly

136, 163, 197

CSS Examples

Text

The CSS property to change the color of the text to RYB 76, 149, 243 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, 206, 243)` looks like.

```
.text, #text, p{  
    color:rgb(76, 206, 243)  
}
```

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, 206, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 206, 243) }
```

Border

The CSS property to change the border of an element to RYB 76, 149, 243 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, 206, 243) }
```

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

```
.border{ border-color:rgb(76, 206, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 206, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 206, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 206, 243);  
box-shadow:4px 4px 4px 4px rgb(76, 206,  
243) }
```

Background

The CSS property to change the background color of an element to RYB 76, 149, 243 is called "background".

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

```
.background, #background, body{  
background: rgb(76, 206, 243) }
```

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

```
.background{ background-color: rgb(76, 206,  
243) }
```

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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