

# Converting Colors

RGB(76, 199, 242)

Have a look what the booklet for  
RGB(76, 199, 242) contains.

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# **Color**

**RGB(76, 199, 242)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4CC7F2
RGB	76, 199, 242
RGB Percent	30%, 78%, 95%
CMY	0.7020, 0.2196, 0.0510
CMYK	0.69, 0.18, 0.00, 0.05
HSL	196°, 86%, 62%
HSV	196°, 69%, 95%
XYZ	39.4309, 48.7942, 91.3444
YIQ	167.1250, -87.1110, -12.7030

# Conversions

## Conversions Part 2

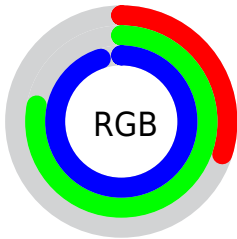
Format	Color
<a href="#">RYB</a>	76, 147, 242
Decimal	5031922
CIELab	75.32, -20.72, -31.17
CIELCh	75, 37.434, 236.383
Yxy	48.7942, 0.2196, 0.2717
Android (android.graphics.Color)	4283222002 (0xFF4CC7F2)
YUV	167.1250, 36.9134, -79.9166
Hunter-Lab	69.8528, -21.4817, -28.6348

# Details

The RGB color **76, 199, 242** 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 **242, 119, 76**, and the grayscale version is **167, 167, 167**.

A 20% lighter version of the original color is **142, 255, 255**, and **0, 145, 186** is the 20% darker color. If you saturate the color by 10%, you get **52, 193, 242**, and if you desaturate by 10%, it is **100, 205, 242**.

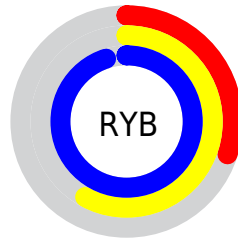
# Distribution



Red (30%)

Green (78%)

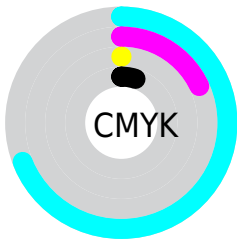
Blue (95%)



Red (30%)

Yellow (58%)

Blue (95%)

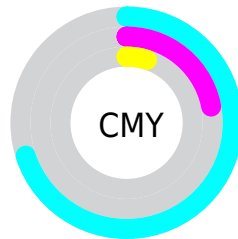


Cyan (69%)

Magenta (18%)

Yellow (0%)

Black (5%)



Cyan (70%)

Magenta (22%)

















Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the RGB color 76, 199, 242 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 RGB color 76, 199, 242 by changing the saturation by 10% instead.



 76, 199, 242	 76, 199, 242
 255, 255, 255	 30, 172, 214
 142, 255, 255	 0, 145, 186
 173, 255, 255	 0, 119, 159
 204, 255, 255	 0, 94, 132
 235, 255, 255	 0, 71, 107
	 0, 48, 83
	 0, 29, 59
	 0, 2, 37
	 0, 1, 14

■ 76, 199, 242

■ 76, 199, 242

■ 52, 193, 242

■ 100, 205, 242

■ 28, 186, 242

■ 124, 212, 242

■ 3, 180, 242

■ 149, 218, 242

■ 0, 179, 242

■ 173, 224, 242

■ 197, 230, 242

■ 221, 237, 242

■ 245, 243, 242

■ 255, 249, 242

■ 255, 255, 242

# Harmonies

## Analogous

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



58, 204, 215



76, 199, 242



130, 190, 254

# Triad

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



76, 199, 242



249, 159, 191



177, 193, 123

# Complementary

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



76, 199, 242



242, 119, 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.



213, 182, 116



76, 199, 242



253, 161, 157

# Square

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



76, 199, 242



225, 166, 224



239, 170, 129



137, 200, 146

# Rectangle

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



76, 199, 242



167, 182, 251



239, 170, 129



190, 189, 118

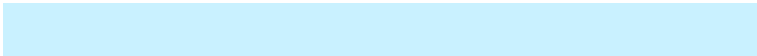


# Sweetspot

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



76, 199, 242



201, 241, 255



76, 242, 117



96, 119, 128



0, 0, 0



128, 128, 128



# Same Dimension

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



76, 199, 242



46, 201, 255



76, 117, 242



108, 117, 120



0, 136, 184



0, 42, 56



# Inverse Universe

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



242, 76, 199



255, 46, 201



242, 201, 76



120, 108, 117



184, 0, 136

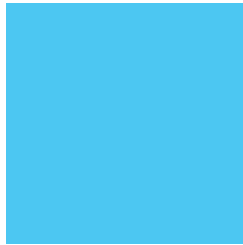


56, 0, 42



# Previews

## White Background



This preview shows how the RGB color 76, 199, 242 looks on a white background.

## Color Contrast Check

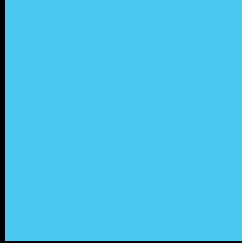
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the RGB color 76, 199, 242 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 76, 199, 242 Background



This preview shows how black text looks on a background with the RGB color 76, 199, 242.

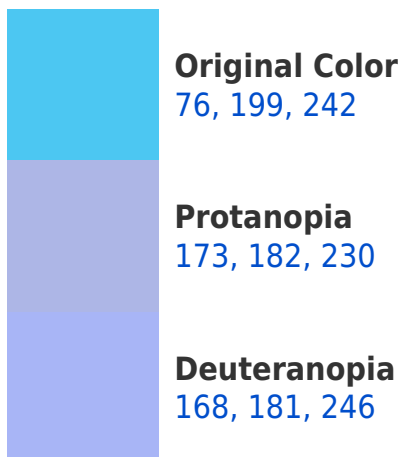


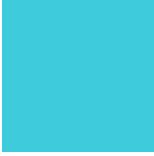
This preview shows how white text looks on a background with the RGB color 76, 199, 242.

# 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



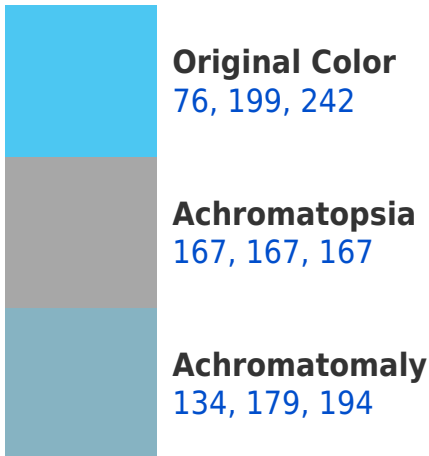


**Tritanopia**  
62, 203, 219

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to RGB 76, 199, 242 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, 199, 242)` looks like.

```
.text, #text, p{  
    color:rgb(76, 199, 242)  
}
```

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, 199, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 199, 242) }
```

## Border

The CSS property to change the border of an element to RGB 76, 199, 242 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, 199, 242) }
```

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

```
.border{ border-color:rgb(76, 199, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 199, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 199, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 199, 242);  
box-shadow:4px 4px 4px 4px rgb(76, 199,  
242) }
```

# Background

The CSS property to change the background color of an element to RGB 76, 199, 242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 199, 242) }
```

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

```
.background{ background-color: rgb(76, 199,  
242) }
```

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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