

Converting Colors

RGB(76, 196, 237)

Have a look what the booklet for
RGB(76, 196, 237) contains.

RGB(76, 196, 237)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

RGB(76, 196, 237)

Conversions

Conversions Part 1

Format	Color
Hex	4CC4ED
RGB	76, 196, 237
RGB Percent	30%, 77%, 93%
CMY	0.7020, 0.2314, 0.0706
CMYK	0.68, 0.17, 0.00, 0.07
HSL	195°, 82%, 61%
HSV	195°, 68%, 93%
XYZ	38.0065, 47.1308, 87.2148
YIQ	164.7940, -84.6810, -12.6890

Conversions

Conversions Part 2

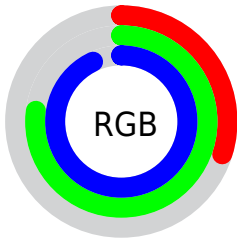
Format	Color
RYB	76, 145, 237
Decimal	5031149
CIELab	74.27, -20.75, -30.10
CIELCh	74, 36.554, 235.421
Yxy	47.1308, 0.2205, 0.2735
Android (android.graphics.Color)	4283221229 (0xFF4CC4ED)
YUV	164.7940, 35.5976, -77.8723
Hunter-Lab	68.6519, -21.3210, -27.2652

Details

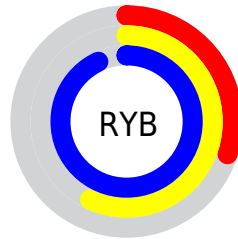
The RGB color **76, 196, 237** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted cyan. A complement of this color would be **237, 117, 76**, and the grayscale version is **165, 165, 165**.

A 20% lighter version of the original color is **142, 253, 255**, and **0, 142, 181** is the 20% darker color. If you saturate the color by 10%, you get **52, 190, 237**, and if you desaturate by 10%, it is **100, 202, 237**.

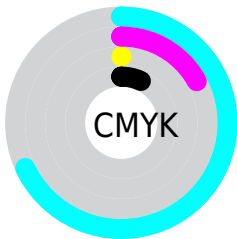
Distribution



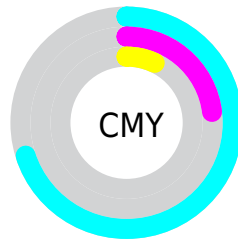
- Red (30%)
- Green (77%)
- Blue (93%)



- Red (30%)
- Yellow (57%)
- Blue (93%)



- Cyan (68%)
- Magenta (17%)
- Yellow (0%)
- Black (7%)



















- Cyan (70%)
- Magenta (23%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the RGB color 76, 196, 237 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, 196, 237 by changing the saturation by 10% instead.

 76, 196, 237	 76, 196, 237
 255, 255, 255	 31, 169, 209
 142, 253, 255	 0, 142, 181
 172, 255, 255	 0, 116, 154
 203, 255, 255	 0, 92, 128
 234, 255, 255	 0, 68, 103
	 0, 45, 78
	 0, 26, 55
	 0, 2, 34
	 0, 0, 7

■ 76, 196, 237

■ 76, 196, 237

■ 52, 190, 237

■ 100, 202, 237

■ 29, 184, 237

■ 123, 208, 237

■ 5, 178, 237

■ 147, 214, 237

■ 0, 177, 237

■ 171, 220, 237

■ 195, 226, 237

■ 218, 232, 237

■ 242, 238, 237

■ 255, 244, 237

■ 255, 250, 237

Harmonies

Analogous

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



61, 200, 210



76, 196, 237



127, 187, 249

Triad

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



76, 196, 237



244, 157, 189



176, 189, 121

Complementary

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



76, 196, 237



237, 117, 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.



210, 179, 116



76, 196, 237



248, 159, 155

Square

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



76, 196, 237



220, 164, 221



236, 167, 129



137, 197, 143

Rectangle

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



76, 196, 237



163, 180, 247



236, 167, 129



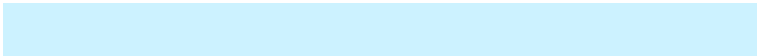
188, 186, 117

Sweetspot

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



76, 196, 237



204, 242, 255



76, 237, 116



97, 120, 128



0, 0, 0



128, 128, 128

Same Dimension

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



76, 196, 237



46, 202, 255



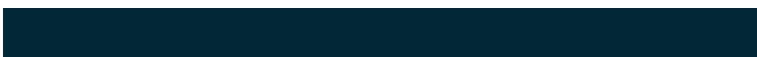
76, 116, 237



106, 114, 117



0, 135, 181



0, 40, 54

Inverse Universe

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



237, 76, 196



255, 46, 202



237, 197, 76



117, 106, 114



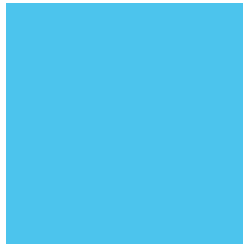
181, 0, 135



54, 0, 40

Previews

White Background



This preview shows how the RGB color 76, 196, 237 looks on a white background.

Color Contrast Check

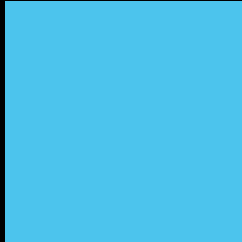
Large Text (above 18pt) WCAG AA × Fail

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, 196, 237 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

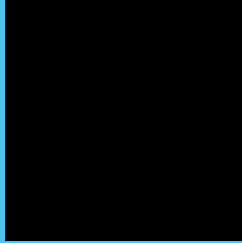
Any Text WCAG AA ✓ Pass

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, 196, 237 Background



This preview shows how black text looks on a background with the RGB color 76, 196, 237.

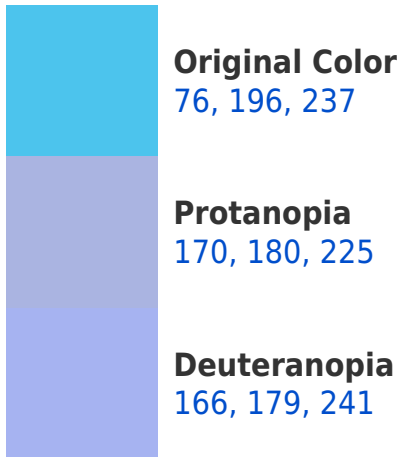


This preview shows how white text looks on a background with the RGB color 76, 196, 237.

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
63, 200, 216

Trichromacy



Original Color

76, 196, 237



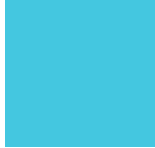
Protanomaly

136, 186, 229



Deuteranomaly

133, 185, 240



Tritanomaly

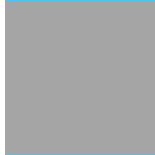
68, 199, 224

Monochromacy



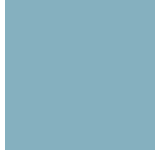
Original Color

76, 196, 237



Achromatopsia

165, 165, 165



Achromatomaly

133, 176, 191

CSS Examples

Text

The CSS property to change the color of the text to RGB 76, 196, 237 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, 196, 237)` looks like.

```
.text, #text, p{  
    color:rgb(76, 196, 237)  
}
```

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, 196, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 196, 237) }
```

Border

The CSS property to change the border of an element to RGB 76, 196, 237 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, 196, 237) }
```

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

```
.border{ border-color:rgb(76, 196, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 196, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 196, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 196, 237);  
box-shadow:4px 4px 4px 4px rgb(76, 196,  
237) }
```

Background

The CSS property to change the background color of an element to RGB 76, 196, 237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 196, 237) }
```

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

```
.background{ background-color: rgb(76, 196,  
237) }
```

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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