

Converting Colors

RGB(76, 211, 229)

Have a look what the booklet for
RGB(76, 211, 229) contains.

RGB(76, 211, 229)	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, 211, 229)

Conversions

Conversions Part 1

Format	Color
Hex	4CD3E5
RGB	76, 211, 229
RGB Percent	30%, 83%, 90%
CMY	0.7020, 0.1725, 0.1020
CMYK	0.67, 0.08, 0.00, 0.10
HSL	187°, 75%, 60%
HSV	187°, 67%, 90%
XYZ	40.4176, 53.7822, 82.3795
YIQ	172.6870, -86.2380, -23.0220

Conversions

Conversions Part 2

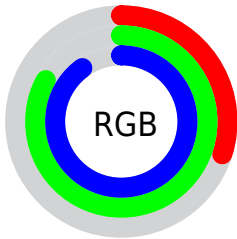
Format	Color
RYB	76, 148, 229
Decimal	5034981
CIELab	78.33, -30.62, -19.60
CIELCh	78, 36.355, 212.619
Yxy	53.7822, 0.2289, 0.3046
Android (android.graphics.Color)	4283225061 (0xFF4CD3E5)
YUV	172.6870, 27.7623, -84.7945
Hunter-Lab	73.3363, -29.9625, -15.2657

Details

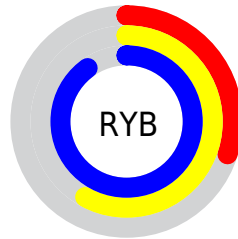
The RGB color **76, 211, 229** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **229, 94, 76**, and the grayscale version is **172, 172, 172**.

A 20% lighter version of the original color is **142, 255, 255**, and **0, 156, 174** is the 20% darker color. If you saturate the color by 10%, you get **53, 208, 229**, and if you desaturate by 10%, it is **99, 214, 229**.

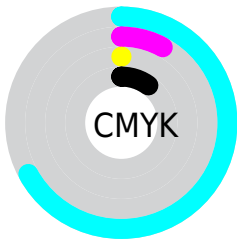
Distribution



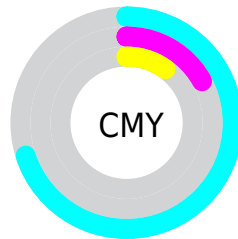
- Red (30%)
- Green (83%)
- Blue (90%)



- Red (30%)
- Yellow (58%)
- Blue (90%)



- Cyan (67%)
- Magenta (8%)
- Yellow (0%)
- Black (10%)



















- Cyan (70%)
- Magenta (17%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the RGB color 76, 211, 229 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, 211, 229 by changing the saturation by 10% instead.

 76, 211, 229	 76, 211, 229
 255, 255, 255	 31, 183, 201
 142, 255, 255	 0, 156, 174
 173, 255, 255	 0, 130, 147
 204, 255, 255	 0, 104, 121
 234, 255, 255	 0, 80, 96
	 0, 56, 73
	 0, 36, 50
	 0, 2, 29
	 0, 0, 0

■ 76, 211, 229

■ 76, 211, 229

■ 53, 208, 229

■ 99, 214, 229

■ 30, 206, 229

■ 122, 216, 229

■ 7, 203, 229

■ 145, 219, 229

■ 0, 202, 229

■ 168, 222, 229

■ 190, 224, 229

■ 213, 227, 229

■ 236, 230, 229

■ 255, 233, 229

■ 255, 235, 229

Harmonies

Analogous

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



98, 212, 196



76, 211, 229



101, 206, 253

Triad

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



76, 211, 229



239, 173, 225



214, 193, 126

Complementary

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



76, 211, 229



229, 94, 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.



243, 181, 135



76, 211, 229



255, 168, 192

Square

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



76, 211, 229



202, 184, 251



255, 171, 159



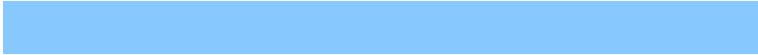
178, 203, 136

Rectangle

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



76, 211, 229



135, 200, 255



255, 171, 159



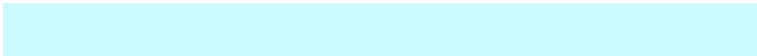
225, 189, 127

Sweetspot

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



76, 211, 229



204, 249, 255



76, 229, 94



97, 124, 128



0, 0, 0



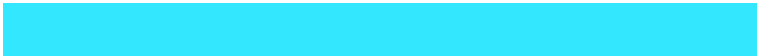
128, 128, 128

Same Dimension

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



76, 211, 229



51, 231, 255



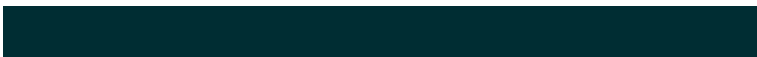
76, 135, 229



103, 113, 115



0, 157, 179



0, 45, 51

Inverse Universe

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



229, 76, 211



255, 51, 231



229, 170, 76



115, 103, 113



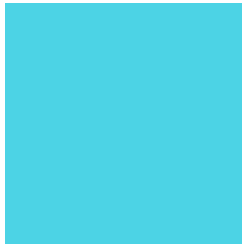
179, 0, 157



51, 0, 45

Previews

White Background



This preview shows how the RGB color 76, 211, 229 looks on a white background.

Color Contrast Check

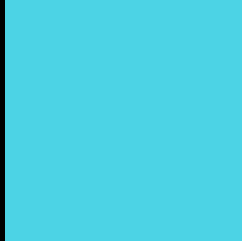
Large Text (above 18pt) WCAG AA × Fail

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, 211, 229 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, 211, 229 Background



This preview shows how black text looks on a background with the RGB color 76, 211, 229.



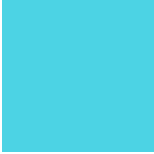
This preview shows how white text looks on a background with the RGB color 76, 211, 229.

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
76, 211, 228

Trichromacy



Original Color

76, 211, 229



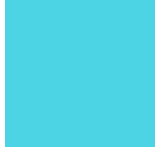
Protanomaly

148, 198, 221



Deuteranomaly

149, 196, 232



Tritanomaly

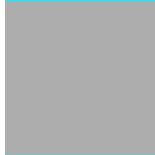
76, 211, 228

Monochromacy



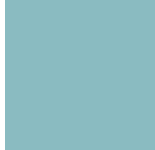
Original Color

76, 211, 229



Achromatopsia

173, 173, 173



Achromatomaly

138, 187, 193

CSS Examples

Text

The CSS property to change the color of the text to RGB 76, 211, 229 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, 211, 229)` looks like.

```
.text, #text, p{  
    color:rgb(76, 211, 229)  
}
```

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, 211, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 211, 229) }
```

Border

The CSS property to change the border of an element to RGB 76, 211, 229 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, 211, 229) }
```

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

```
.border{ border-color:rgb(76, 211, 229) }
```

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

Here you see how a box with a 4 pixel rgb(76, 211, 229) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 211, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 211, 229);  
box-shadow:4px 4px 4px 4px rgb(76, 211,  
229) }
```

Background

The CSS property to change the background color of an element to RGB 76, 211, 229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 211, 229) }
```

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

```
.background{ background-color: rgb(76, 211,  
229) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor