Converting Colors

RGB(76, 226, 255)

Have a look what the booklet for RGB(76, 226, 255) contains.

Color

RGB(76, 226, 255)

Conversions

Conversions Part 1

Format	Color
Hex	4CE2FF
RGB	76, 226, 255
RGB Percent	30%, 89%, 100%
CMY	0.7020, 0.1137, 0.0000
CMYK	0.70, 0.11, 0.00, 0.00
HSL	190°, 100%, 65%
HSV	190°, 70%, 100%
XYZ	48.2268, 63.1492, 104.2549
YIQ	184.4560, -98.7090, -22.7810

Conversions

Conversions Part 2

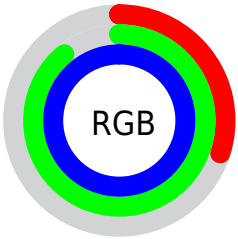
Format	Color
RYB	76, 158, 255
Decimal	5038847
CIELab	83.52, -30.17, -25.54
CIELCh	84, 39.528, 220.246
Yxy	63.1492, 0.2237, 0.2929
Android (android.graphics.Color)	4283228927 (0xFF4CE2FF)
YUV	184.4560, 34.7782, -95.1159
Hunter-Lab	79.4665, -30.7377, -22.1582

Details

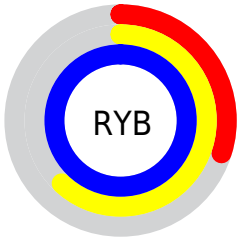
The RGB color 76, 226, 255 is a light color, and the websafe version is hex 00CCFF. The color can be described as light washed cyan. A complement of this color would be 255, 105, 76, and the grayscale version is 184, 184, 184.

A 20% lighter version of the original color is 146, 255, 255, and 0, 170, 198 is the 20% darker color. If you saturate the color by 10%, you get 51, 222, 255, and if you desaturate by 10%, it is 102, 230, 255.

Distribution

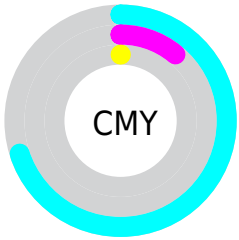


- Red (30%)
- Green (89%)
- Blue (100%)



- Red (30%)
- Yellow (62%)
- Blue (100%)

- Cyan (70%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)



- Cyan (70%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the RGB color 76, 226, 255 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, 226, 255 by changing the saturation by 10% instead.

76, 226, 255	76, 226, 255
255, 255, 255	21, 198, 226
146, 255, 255	0, 170, 198
178, 255, 255	0, 144, 171
209, 255, 255	0, 118, 144
241, 255, 255	0, 93, 119
	0, 68, 94
	0, 46, 70
	0, 23, 48
	0, 1, 26

76, 226, 255	76, 226, 255
51, 222, 255	102, 230, 255
25, 218, 255	127, 234, 255
0, 214, 255	153, 238, 255
	178, 243, 255
	204, 247, 255
	229, 251, 255
	255, 255, 255
	255, 255, 255

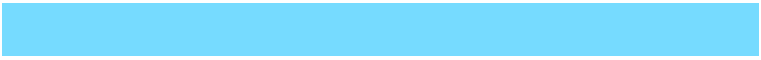
Harmonies

Analogous

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

91, 228, 220

76, 226, 255



118, 219, 255

Triad

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

76, 226, 255

255, 183, 234

221, 210, 134

Complementary

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

76, 226, 255

255, 105, 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.

255, 197, 139

76, 226, 255

255, 180, 197

Square

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

76, 226, 255

229, 194, 255

255, 186, 162

180, 220, 150

Rectangle

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

76, 226, 255

157, 212, 255

255, 186, 162

233, 206, 133

Sweetspot

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

76, 226, 255

201, 246, 255

76, 255, 103

96, 122, 128

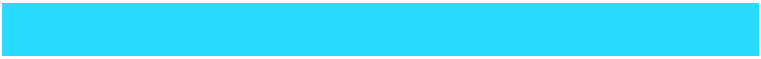
0, 0, 0

128, 128, 128

Same Dimension

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

76, 226, 255



41, 220, 255

76, 139, 255

115, 125, 128

0, 160, 191

0, 53, 64

Inverse Universe

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

255, 76, 226

255, 41, 220

255, 192, 76

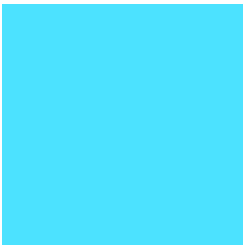
128, 115, 125

191, 0, 160

64, 0, 53

Previews

White Background

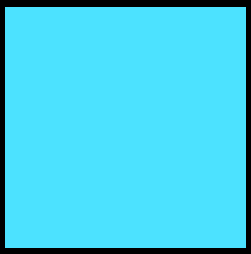


This preview shows how the RGB color 76, 226, 255 looks on a white background.

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



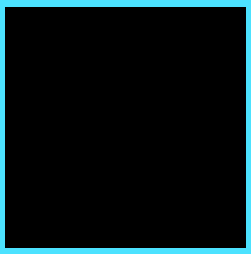
This preview shows how the RGB color 76, 226, 255 looks on a black background.

Color Contrast Check

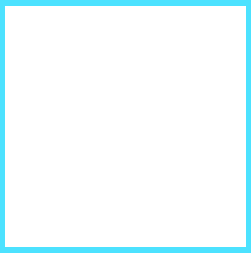
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA ✓ Pass
Large Text (above 18pt) WCAG AAA ✓ Pass
Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the Color Contrast Checker.

RGB 76, 226, 255 Background



This preview shows how black text looks on a background with the RGB color 76, 226, 255.



This preview shows how white text looks on a background with the RGB color 76, 226, 255.

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

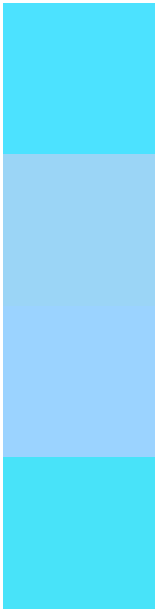
Original Color
76, 226, 255

Protanopia
200, 205, 241

Deuteranopia
200, 203, 255

Tritanopia
70, 227, 246

Trichromacy



Original Color
76, 226, 255

Protanomaly
155, 213, 246

Deuteranomaly
155, 211, 255

Tritanomaly
72, 227, 249

Monochromacy

Original Color
76, 226, 255

Achromatopsia
184, 184, 184

Achromatomaly
145, 199, 210

CSS Examples

Text

The CSS property to change the color of the text to RGB 76, 226, 255 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, 226, 255) looks like.

```
.text, #text, p{
    color:rgb(76, 226, 255)
}
```

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, 226, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 226, 255) }
```

Border

The CSS property to change the border of an element to RGB 76, 226, 255 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, 226, 255) }
```

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

```
.border{ border-color:rgb(76, 226, 255) }
```

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

Here you see how a box with a 4 pixel rgb(76, 226, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(76, 226, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(76, 226, 255); box-shadow:4px 4px 4px 4px rgb(76, 226, 255) }
```

Background

The CSS property to change the background color of an element to RGB 76, 226, 255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(76, 226, 255) }
```

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

```
.background{ background-color:rgb(76, 226,
255) }
```

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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