

Converting Colors

RGB(77, 255, 212)

Have a look what the booklet for
RGB(77, 255, 212) contains.

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Color

RGB(77, 255, 212)

Conversions

Conversions Part 1

Format	Color
Hex	4DFFD4
RGB	77, 255, 212
RGB Percent	30%, 100%, 83%
CMY	0.6980, 0.0000, 0.1686
CMYK	0.70, 0.00, 0.17, 0.00
HSL	166°, 100%, 65%
HSV	166°, 70%, 100%
XYZ	50.7042, 77.8512, 74.6418
YIQ	196.8760, -92.2850, -51.1090

Conversions

Conversions Part 2

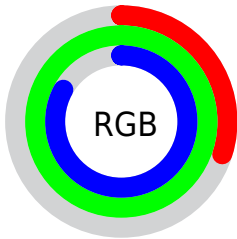
Format	Color
RYB	77, 178, 255
Decimal	5111764
CIELab	90.71, -54.45, 7.64
CIElCh	91, 54.985, 172.015
Yxy	77.8512, 0.2495, 0.3831
Android (android.graphics.Color)	4283301844 (0xFF4DFFD4)
YUV	196.8760, 7.4561, -105.1313
Hunter-Lab	88.2334, -51.8314, 11.6065

Details

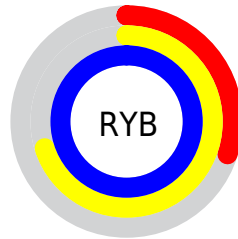
The RGB color **77, 255, 212** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light washed cyan. A complement of this color would be **255, 77, 120**, and the grayscale version is **197, 197, 197**.

A 20% lighter version of the original color is **147, 255, 255**, and **0, 197, 157** is the 20% darker color. If you saturate the color by 10%, you get **52, 255, 206**, and if you desaturate by 10%, it is **103, 255, 218**.

Distribution



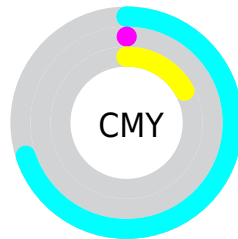
- Red (30%)
- Green (100%)
- Blue (83%)



- Red (30%)
- Yellow (70%)
- Blue (100%)



- Cyan (70%)
- Magenta (0%)
- Yellow (17%)
- Black (0%)



















- Cyan (70%)
- Magenta (0%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the RGB color 77, 255, 212 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 77, 255, 212 by changing the saturation by 10% instead.

 77, 255, 212	 77, 255, 212
 255, 255, 255	 23, 226, 184
 147, 255, 255	 0, 197, 157
 179, 255, 255	 0, 169, 131
 210, 255, 255	 0, 142, 106
 241, 255, 255	 0, 115, 82
	 0, 90, 59
	 0, 65, 37
	 0, 42, 17
	 0, 5, 0

■ 77, 255, 212

■ 77, 255, 212

■ 52, 255, 206

■ 103, 255, 218

■ 26, 255, 200

■ 128, 255, 224

■ 1, 255, 194

■ 154, 255, 230

■ 0, 255, 193

■ 179, 255, 237

■ 205, 255, 243

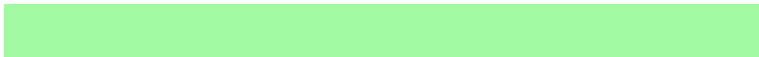
■ 230, 255, 249

255, 255, 255

Harmonies

Analogous

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



161, 249, 161



77, 255, 212



0, 255, 255

Triad

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



77, 255, 212



212, 220, 255



255, 202, 147

Complementary

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



77, 255, 212



255, 77, 120

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, 188, 192



77, 255, 212



255, 200, 255

Square

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



77, 255, 212



113, 238, 255



255, 187, 245



255, 220, 123

Rectangle

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



77, 255, 212



0, 253, 255



255, 187, 245



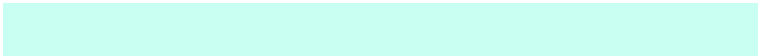
255, 196, 160

Sweetspot

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



77, 255, 212



201, 255, 242



122, 255, 77



96, 128, 120



0, 0, 0



128, 128, 128

Same Dimension

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



77, 255, 212



41, 255, 203



77, 211, 255



115, 128, 124



0, 191, 145



0, 64, 48

Inverse Universe

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



255, 77, 120



255, 41, 93



255, 122, 77



128, 115, 118



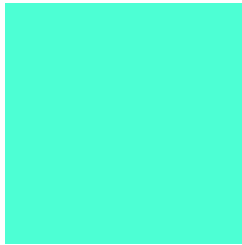
191, 0, 46



64, 0, 15

Previews

White Background



This preview shows how the RGB color 77, 255, 212 looks on a white background.

Color Contrast Check

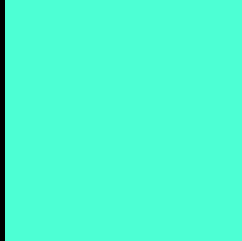
Large Text (above 18pt) WCAG AA × Fail

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 77, 255, 212 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

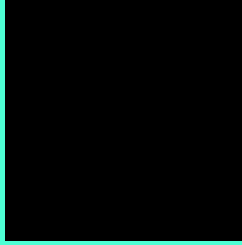
Any Text WCAG AA ✓ Pass

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 77, 255, 212 Background



This preview shows how black text looks on a background with the RGB color 77, 255, 212.

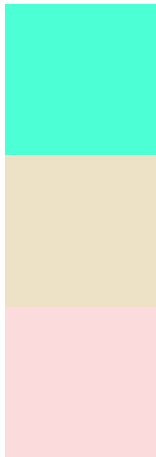


This preview shows how white text looks on a background with the RGB color 77, 255, 212.

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

77, 255, 212

Protanopia

237, 226, 197

Deuteranopia

251, 219, 220



Tritanopia
156, 241, 255

Trichromacy



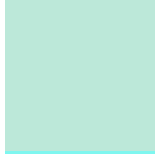
Original Color

77, 255, 212



Protanomaly

179, 237, 202



Deuteranomaly

188, 232, 217



Tritanomaly

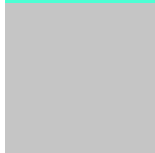
127, 246, 239

Monochromacy



Original Color

77, 255, 212



Achromatopsia

197, 197, 197



Achromatomaly

153, 218, 202

CSS Examples

Text

The CSS property to change the color of the text to RGB 77, 255, 212 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(77, 255, 212)` looks like.

```
.text, #text, p{  
    color:rgb(77, 255, 212)  
}
```

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(77, 255, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 255, 212) }
```

Border

The CSS property to change the border of an element to RGB 77, 255, 212 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(77, 255, 212) }
```

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

```
.border{ border-color:rgb(77, 255, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 255, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 255, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 255, 212);  
box-shadow:4px 4px 4px 4px rgb(77, 255,  
212) }
```

Background

The CSS property to change the background color of an element to RGB 77, 255, 212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 255, 212) }
```

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

```
.background{ background-color: rgb(77, 255,  
212) }
```

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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