

Converting Colors

RGB(77, 220, 169)

Have a look what the booklet for
RGB(77, 220, 169) contains.

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Color

RGB(77, 220, 169)

Conversions

Conversions Part 1

Format	Color
Hex	4DDCA9
RGB	77, 220, 169
RGB Percent	30%, 86%, 66%
CMY	0.6980, 0.1373, 0.3373
CMYK	0.65, 0.00, 0.23, 0.14
HSL	159°, 67%, 58%
HSV	159°, 65%, 86%
XYZ	35.8152, 55.6288, 46.3859
YIQ	171.4290, -68.8570, -46.1770

Conversions

Conversions Part 2

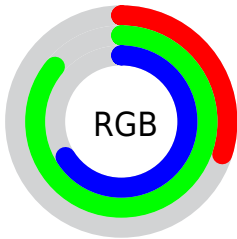
Format	Color
RYB	77, 164, 220
Decimal	5102761
CIELab	79.40, -50.07, 14.00
CIELCh	79, 51.992, 164.382
Yxy	55.6288, 0.2599, 0.4036
Android (android.graphics.Color)	4283292841 (0xFF4DDCA9)
YUV	171.4290, -1.1975, -82.8142
Hunter-Lab	74.5847, -44.8084, 15.3355

Details

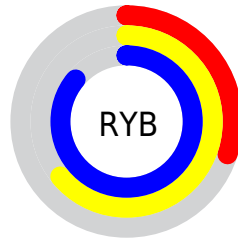
The RGB color **77, 220, 169** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **220, 77, 128**, and the grayscale version is **171, 171, 171**.

A 20% lighter version of the original color is **140, 255, 224**, and **0, 164, 117** is the 20% darker color. If you saturate the color by 10%, you get **55, 220, 161**, and if you desaturate by 10%, it is **99, 220, 177**.

Distribution



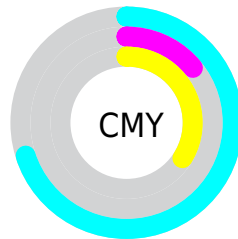
- Red (30%)
- Green (86%)
- Blue (66%)



- Red (30%)
- Yellow (64%)
- Blue (86%)



- Cyan (65%)
- Magenta (0%)
- Yellow (23%)
- Black (14%)


















- Cyan (70%)
- Magenta (14%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the RGB color 77, 220, 169 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, 220, 169 by changing the saturation by 10% instead.

 77, 220, 169	 77, 220, 169
 255, 255, 255	 37, 192, 142
 140, 255, 224	 0, 164, 117
 170, 255, 253	 0, 137, 92
 201, 255, 255	 0, 111, 68
 231, 255, 255	 0, 85, 46
	 0, 61, 25
	 0, 38, 0
	 0, 0, 0

 77, 220, 169  77, 220, 169

■ 55, 220, 161

■ 99, 220, 177

■ 33, 220, 153

■ 121, 220, 185

■ 11, 220, 145

■ 143, 220, 193

■ 0, 220, 142

■ 165, 220, 200

■ 187, 220, 208

■ 209, 220, 216

■ 231, 220, 224

■ 253, 220, 232

■ 255, 220, 240

Harmonies

Analogous

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



149, 213, 125



77, 220, 169



0, 222, 219

Triad

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



77, 220, 169



160, 194, 255



255, 168, 131

Complementary

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



77, 220, 169



220, 77, 128

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, 157, 175



77, 220, 169



231, 175, 255

Square

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



77, 220, 169



37, 209, 255



255, 160, 224



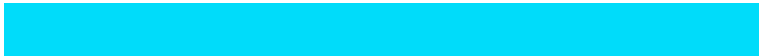
248, 185, 103

Rectangle

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



77, 220, 169



0, 220, 250



255, 160, 224



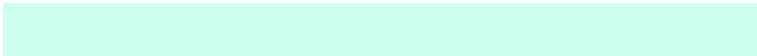
255, 163, 145

Sweetspot

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



77, 220, 169



204, 255, 237



129, 220, 77



97, 128, 117



0, 0, 0



128, 128, 128

Same Dimension

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



77, 220, 169



56, 255, 184



77, 201, 220



99, 110, 106



0, 173, 112



0, 46, 30

Inverse Universe

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



220, 77, 128



255, 56, 127



220, 96, 77



110, 99, 103



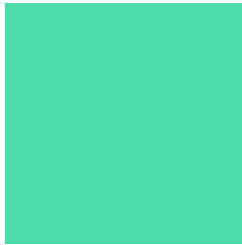
173, 0, 62



46, 0, 16

Previews

White Background



This preview shows how the RGB color 77, 220, 169 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, 220, 169 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

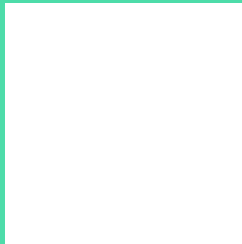
Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RGB 77, 220, 169 Background



This preview shows how black text looks on a background with the RGB color 77, 220, 169.

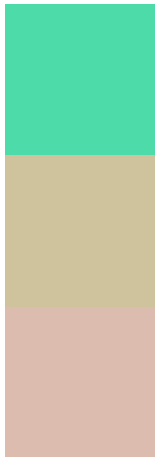


This preview shows how white text looks on a background with the RGB color 77, 220, 169.

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, 220, 169

Protanopia
207, 195, 157

Deuteranopia
221, 188, 176



Tritanopia
100, 212, 229

Trichromacy



Original Color

77, 220, 169



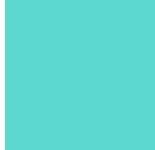
Protanomaly

160, 204, 161



Deuteranomaly

169, 200, 173



Tritanomaly

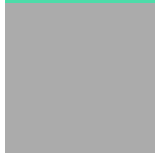
92, 215, 207

Monochromacy



Original Color

77, 220, 169



Achromatopsia

171, 171, 171



Achromatomaly

137, 189, 170

CSS Examples

Text

The CSS property to change the color of the text to RGB 77, 220, 169 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, 220, 169)` looks like.

```
.text, #text, p{  
    color:rgb(77, 220, 169)  
}
```

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, 220, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 220, 169) }
```

Border

The CSS property to change the border of an element to RGB 77, 220, 169 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, 220, 169) }
```

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

```
.border{ border-color:rgb(77, 220, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 220, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 220, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 220, 169);  
box-shadow:4px 4px 4px 4px rgb(77, 220,  
169) }
```

Background

The CSS property to change the background color of an element to RGB 77, 220, 169 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 220, 169) }
```

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

```
.background{ background-color: rgb(77, 220,  
169) }
```

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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