

Converting Colors

RGB(77, 199, 193)

Have a look what the booklet for
RGB(77, 199, 193) contains.

RGB(77, 199, 193)	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(77, 199, 193)

Conversions

Conversions Part 1

Format	Color
Hex	4DC7C1
RGB	77, 199, 193
RGB Percent	30%, 78%, 76%
CMY	0.6980, 0.2196, 0.2431
CMYK	0.61, 0.00, 0.03, 0.22
HSL	177°, 52%, 54%
HSV	177°, 61%, 78%
XYZ	33.1096, 46.2749, 57.6390
YIQ	161.8380, -70.7860, -27.7300

Conversions

Conversions Part 2

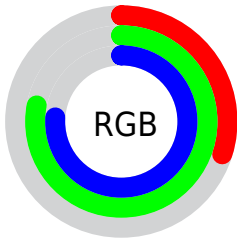
Format	Color
RYB	77, 140, 199
Decimal	5097409
CIELab	73.72, -34.93, -7.09
CIELCh	74, 35.642, 191.479
Yxy	46.2749, 0.2416, 0.3377
Android (android.graphics.Color)	4283287489 (0xFF4DC7C1)
YUV	161.8380, 15.3629, -74.4029
Hunter-Lab	68.0256, -32.1649, -2.6192

Details

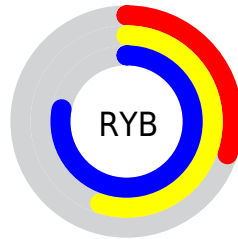
The RGB color **77, 199, 193** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **199, 77, 83**, and the grayscale version is **162, 162, 162**.

A 20% lighter version of the original color is **139, 255, 249**, and **0, 144, 140** is the 20% darker color. If you saturate the color by 10%, you get **57, 199, 192**, and if you desaturate by 10%, it is **97, 199, 194**.

Distribution



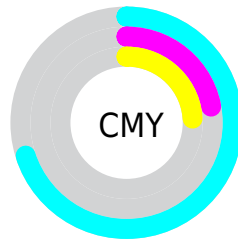
- Red (30%)
- Green (78%)
- Blue (76%)



- Red (30%)
- Yellow (55%)
- Blue (78%)



- Cyan (61%)
- Magenta (0%)
- Yellow (3%)
- Black (22%)





- Cyan (70%)
- Magenta (22%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the RGB color 77, 199, 193 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, 199, 193 by changing the saturation by 10% instead.

 77, 199, 193

 77, 199, 193


255, 255, 255

 40, 171, 166

 139, 255, 249

 0, 144, 140

 168, 255, 255

 0, 118, 114

 198, 255, 255

 0, 93, 90


 228, 255, 255


 0, 69, 66

 0, 46, 44

 0, 22, 24

 0, 0, 0

 77, 199, 193

 77, 199, 193

■ 57, 199, 192

■ 97, 199, 194

■ 37, 199, 191

■ 117, 199, 195

■ 17, 199, 190

■ 137, 199, 196

■ 0, 199, 189

■ 157, 199, 197

■ 177, 199, 198

■ 196, 199, 199

■ 216, 199, 200

■ 236, 199, 201

■ 255, 199, 202

Harmonies

Analogous

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



115, 197, 159



77, 199, 193



66, 197, 223

Triad

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



77, 199, 193



201, 168, 230



221, 172, 120

Complementary

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



77, 199, 193



199, 77, 83

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.



241, 162, 139



77, 199, 193



232, 159, 203

Square

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



77, 199, 193



156, 180, 245



246, 156, 170



191, 183, 116

Rectangle

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



77, 199, 193



88, 193, 238



246, 156, 170



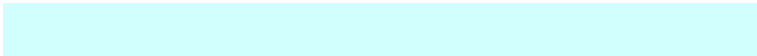
229, 168, 125

Sweetspot

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



77, 199, 193



209, 255, 253



83, 199, 77



99, 128, 126



0, 0, 0



128, 128, 128

Same Dimension

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



77, 199, 193



66, 255, 246



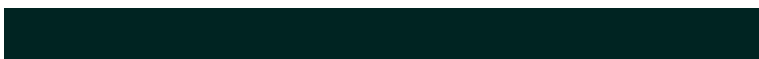
77, 144, 199



90, 99, 99



0, 163, 155



0, 36, 34

Inverse Universe

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



199, 77, 83



255, 66, 76



199, 132, 77



99, 90, 90



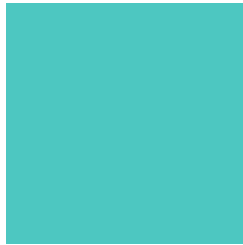
163, 0, 8



36, 0, 2

Previews

White Background



This preview shows how the RGB color 77, 199, 193 looks on a white background.

Color Contrast Check

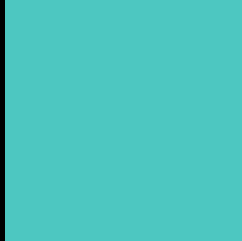
Large Text (above 18pt) WCAG AA × Fail

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, 199, 193 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

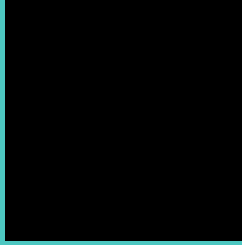
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

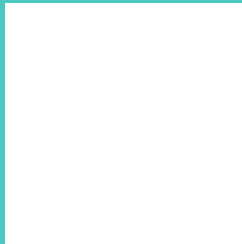
Any Text WCAG AAA ✓ Pass

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

RGB 77, 199, 193 Background



This preview shows how black text looks on a background with the RGB color 77, 199, 193.

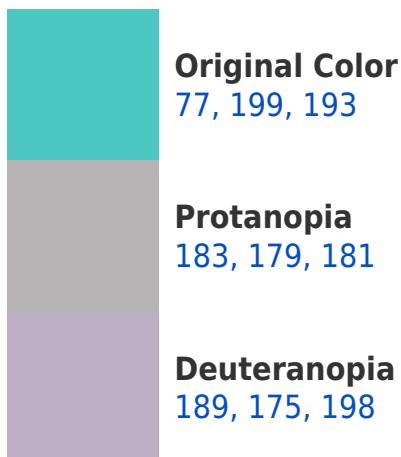


This preview shows how white text looks on a background with the RGB color 77, 199, 193.

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
85, 196, 212

Trichromacy



Original Color

77, 199, 193



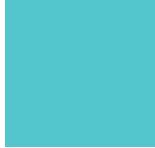
Protanomaly

144, 186, 185



Deuteranomaly

148, 184, 196



Tritanomaly

82, 197, 205

Monochromacy



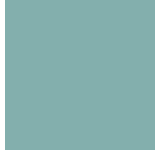
Original Color

77, 199, 193



Achromatopsia

162, 162, 162



Achromatomaly

131, 175, 173

CSS Examples

Text

The CSS property to change the color of the text to RGB 77, 199, 193 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, 199, 193)` looks like.

```
.text, #text, p{  
    color:rgb(77, 199, 193)  
}
```

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, 199, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 199, 193) }
```

Border

The CSS property to change the border of an element to RGB 77, 199, 193 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, 199, 193) }
```

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

```
.border{ border-color:rgb(77, 199, 193) }
```

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

Here you see how a box with a 4 pixel rgb(77, 199, 193) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 199, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 199, 193);  
box-shadow:4px 4px 4px 4px rgb(77, 199,  
193) }
```

Background

The CSS property to change the background color of an element to RGB 77, 199, 193 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 199, 193) }
```

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

```
.background{ background-color: rgb(77, 199,  
193) }
```

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