Converting Colors

RGB(77, 237, 197)

Have a look what the booklet for RGB(77, 237, 197) contains.

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Color

RGB(77, 237, 197)

Conversions

Conversions Part 1

Format	Color
Hex	4DEDC5
RGB	77, 237, 197
RGB Percent	30%, 93%, 77%
CMY	0.6980, 0.0706, 0.2275
CMYK	0.68, 0.00, 0.17, 0.07
HSL	165°, 82%, 62%
HSV	165°, 68%, 93%
XYZ	43.4228, 66.1774, 63.3082
YIQ	184.6000, -82.5200, -46.3600

Conversions

Conversions Part 2

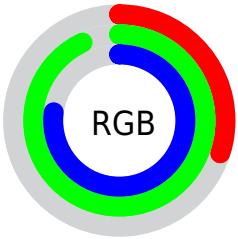
Format	Color
RYB	77, 168, 237
Decimal	5107141
CIELab	85.09, -50.63, 7.36
CIELCh	85, 51.160, 171.729
Yxy	66.1774, 0.2511, 0.3827
Android (android.graphics.Color)	4283297221 (0xFF4DEDC5)
YUV	184.6000, 6.1132, -94.3652
Hunter-Lab	81.3495, -47.0817, 10.8037

Details

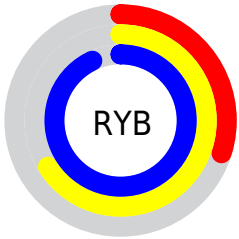
The RGB color 77, 237, 197 is a light color, and the websafe version is hex 66FFCC. The color can be described as light muted cyan. A complement of this color would be 237, 77, 117, and the grayscale version is 185, 185, 185.

A 20% lighter version of the original color is 143, 255, 254, and 0, 180, 143 is the 20% darker color. If you saturate the color by 10%, you get 53, 237, 191, and if you desaturate by 10%, it is 101, 237, 203.

Distribution

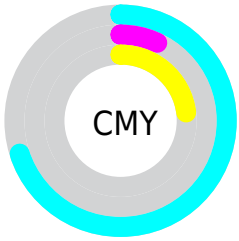


- Red (30%)
- Green (93%)
- Blue (77%)



- Red (30%)
- Yellow (66%)
- Blue (93%)

- Cyan (68%)
- Magenta (0%)
- Yellow (17%)
- Black (7%)



- Cyan (70%)
- Magenta (7%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the RGB color 77, 237, 197 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, 237, 197 by changing the saturation by 10% instead.

77, 237, 197

255, 255, 255

143, 255, 254

175, 255, 255

205, 255, 255

236, 255, 255

77, 237, 197

31, 208, 170

0, 180, 143

0, 153, 118

0, 126, 93

0, 100, 69

0, 75, 47

0, 51, 26

0, 26, 0

0, 0, 0

77, 237, 197

53, 237, 191

30, 237, 185

6, 237, 179

0, 237, 178

77, 237, 197

101, 237, 203

124, 237, 209

148, 237, 215

172, 237, 221

195, 237, 227

219, 237, 233

243, 237, 238

255, 237, 244

255, 237, 250

Harmonies

Analogous

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

151, 231, 151

77, 237, 197

0, 238, 247

Triad

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

77, 237, 197

197, 205, 255

255, 188, 138

Complementary

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

77, 237, 197

237, 77, 117

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, 175, 179

77, 237, 197

255, 187, 255

Square

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

77, 237, 197

107, 221, 255

255, 175, 228

255, 205, 116

Rectangle

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

77, 237, 197

0, 235, 255

255, 175, 228

255, 183, 150

Sweetspot

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

77, 237, 197

204, 255, 242

117, 237, 77

97, 128, 120

0, 0, 0

128, 128, 128

Same Dimension

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

77, 237, 197

48, 255, 203

77, 197, 237

106, 117, 114

0, 181, 136

0, 54, 40

Inverse Universe

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

237, 77, 117

255, 48, 100

237, 117, 77

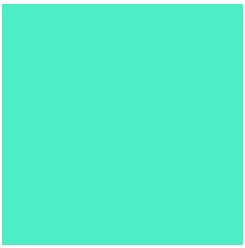
117, 106, 109

181, 0, 45

54, 0, 13

Previews

White Background

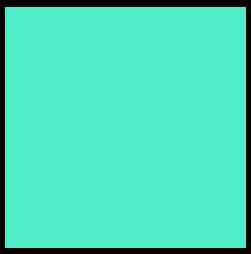


This preview shows how the RGB color 77, 237, 197 looks on a white background.

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, 237, 197 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, 237, 197 Background

This preview shows how black text looks on a background with the RGB color 77, 237, 197.

This preview shows how white text looks on a background with the RGB color 77, 237, 197.

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

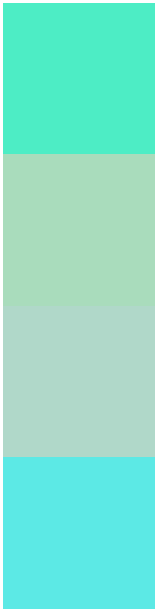
Original Color
77, 237, 197

Protanopia
221, 210, 183

Deuteranopia
233, 204, 204

Tritanopia
100, 230, 248

Trichromacy



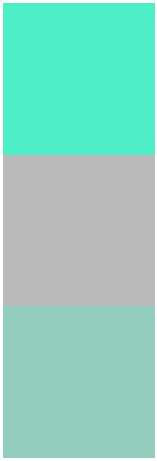
Original Color
77, 237, 197

Protanomaly
169, 220, 188

Deuteranomaly
176, 216, 201

Tritanomaly
92, 233, 229

Monochromacy



Original Color
77, 237, 197

Achromatopsia
185, 185, 185

Achromatomaly
146, 204, 189

CSS Examples

Text

The CSS property to change the color of the text to RGB 77, 237, 197 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, 237, 197) looks like.

```
.text, #text, p{
    color:rgb(77, 237, 197)
}
```

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, 237, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 237, 197) }
```

Border

The CSS property to change the border of an element to RGB 77, 237, 197 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, 237, 197) }
```

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

```
.border{ border-color:rgb(77, 237, 197) }
```

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

Here you see how a box with a 4 pixel rgb(77, 237, 197) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(77, 237, 197); -webkit-box-shadow:4px 4px 4px 4px rgb(77, 237, 197); box-shadow:4px 4px 4px 4px rgb(77, 237, 197) }
```

Background

The CSS property to change the background color of an element to RGB 77, 237, 197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(77, 237, 197) }
```

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

```
.background{ background-color:rgb(77, 237,
197) }
```

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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