Converting Colors

RGB(77, 186, 133)

Have a look what the booklet for RGB(77, 186, 133) contains.

Color

RGB(77, 186, 133)

Conversions

Conversions Part 1

Format	Color
Hex	4DBA85
RGB	77, 186, 133
RGB Percent	30%, 73%, 52%
CMY	0.6980, 0.2706, 0.4784
CMYK	0.59, 0.00, 0.28, 0.27
HSL	151°, 44%, 52%
HSV	151°, 59%, 73%
XYZ	24.8531, 38.3890, 28.2902
YIQ	147.3670, -47.9510, -39.5910

Conversions

Conversions Part 2

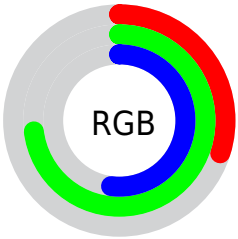
Format	Color
RYB	77, 149, 186
Decimal	5094021
CIELab	68.31, -43.66, 17.73
CIELCh	68, 47.124, 157.892
Yxy	38.3890, 0.2715, 0.4194
Android (android.graphics.Color)	4283284101 (0xFF4DBA85)
YUV	147.3670, -7.0829, -61.7119
Hunter-Lab	61.9589, -36.8277, 16.2996

Details

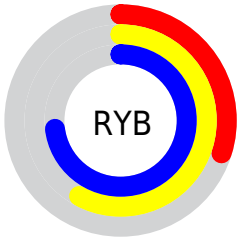
The RGB color 77, 186, 133 is a dark color, and the websafe version is hex 66CC99. A complement of this color would be 186, 77, 130, and the grayscale version is 147, 147, 147.

A 20% lighter version of the original color is 135, 243, 186, and 0, 132, 83 is the 20% darker color. If you saturate the color by 10%, you get 58, 186, 124, and if you desaturate by 10%, it is 96, 186, 142.

Distribution

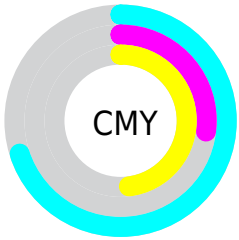


- Red (30%)
- Green (73%)
- Blue (52%)



- Red (30%)
- Yellow (58%)
- Blue (73%)

- Cyan (59%)
- Magenta (0%)
- Yellow (28%)
- Black (27%)



- Cyan (70%)
- Magenta (27%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the RGB color 77, 186, 133 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, 186, 133 by changing the saturation by 10% instead.

77, 186, 133	77, 186, 133
255, 255, 255	45, 159, 108
135, 243, 186	0, 132, 83
164, 255, 214	0, 106, 60
192, 255, 243	0, 81, 38
222, 255, 255	0, 57, 17
252, 255, 255	0, 36, 0
	0, 0, 0

77, 186, 133	77, 186, 133
58, 186, 124	96, 186, 142

40, 186, 115

21, 186, 106

3, 186, 97

0, 186, 96

114, 186, 151

133, 186, 160

151, 186, 169

170, 186, 178

189, 186, 187

207, 186, 196

226, 186, 205

244, 186, 214

Harmonies

Analogous

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

136, 179, 97

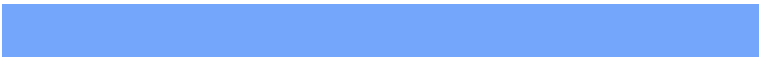
77, 186, 133

0, 188, 177

Triad

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

77, 186, 133



116, 167, 251

242, 138, 116

Complementary

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

77, 186, 133

186, 77, 130

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.

247, 131, 157

77, 186, 133

185, 151, 234

Square

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

77, 186, 133

0, 180, 245

228, 136, 199

218, 153, 87

Rectangle

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

77, 186, 133

0, 188, 205

228, 136, 199

246, 135, 129

Sweetspot

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

77, 186, 133

199, 242, 221

132, 186, 77

95, 122, 109

250, 250, 250

122, 122, 122

Same Dimension

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

77, 186, 133

73, 242, 160

77, 186, 186

83, 92, 87

0, 156, 80

0, 28, 14

Inverse Universe

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

186, 77, 130

242, 73, 155

186, 77, 77

92, 83, 87

156, 0, 76

28, 0, 14

Previews

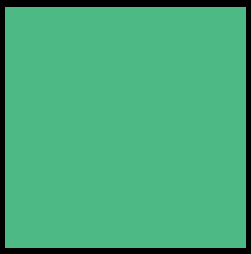
White Background

This preview shows how the RGB color 77, 186, 133 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, 186, 133 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, 186, 133 Background

This preview shows how black text looks on a background with the RGB color 77, 186, 133.

This preview shows how white text looks on a background with the RGB color 77, 186, 133.

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

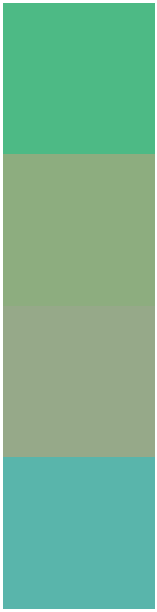
Original Color
77, 186, 133

Protanopia
177, 165, 123

Deuteranopia
191, 159, 139

Tritanopia
96, 178, 193

Trichromacy



Original Color
77, 186, 133

Protanomaly
141, 173, 127

Deuteranomaly
150, 169, 137

Tritanomaly
89, 181, 171

Monochromacy

Original Color
77, 186, 133

Achromatopsia
147, 147, 147

Achromatomaly
122, 161, 142

CSS Examples

Text

The CSS property to change the color of the text to RGB 77, 186, 133 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, 186, 133) looks like.

```
.text, #text, p{
    color:rgb(77, 186, 133)
}
```

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, 186, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 186, 133) }
```

Border

The CSS property to change the border of an element to RGB 77, 186, 133 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, 186, 133) }
```

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

```
.border{ border-color:rgb(77, 186, 133) }
```

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

Here you see how a box with a 4 pixel rgb(77, 186, 133) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(77, 186, 133); -webkit-box-shadow:4px 4px 4px 4px rgb(77, 186, 133); box-shadow:4px 4px 4px 4px rgb(77, 186, 133) }
```

Background

The CSS property to change the background color of an element to RGB 77, 186, 133 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(77, 186, 133) }
```

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

```
.background{ background-color:rgb(77, 186,
133) }
```

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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