

Converting Colors

RGB(80, 226, 133)

Have a look what the booklet for
RGB(80, 226, 133) contains.

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Color

RGB(80, 226, 133)

Conversions

Conversions Part 1

Format	Color
Hex	50E285
RGB	80, 226, 133
RGB Percent	31%, 89%, 52%
CMY	0.6863, 0.1137, 0.4784
CMYK	0.65, 0.00, 0.41, 0.11
HSL	142°, 72%, 60%
HSV	142°, 65%, 89%
XYZ	34.7383, 57.7916, 31.5143
YIQ	171.7440, -57.1630, -59.8750

Conversions

Conversions Part 2

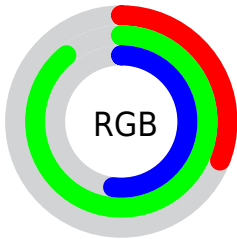
Format	Color
RYB	80, 187, 226
Decimal	5300869
CIELab	80.62, -58.99, 34.30
CIElCh	81, 68.236, 149.828
Yxy	57.7916, 0.2800, 0.4659
Android (android.graphics.Color)	4283490949 (0xFF50E285)
YUV	171.7440, -19.1008, -80.4595
Hunter-Lab	76.0208, -51.4696, 28.6360

Details

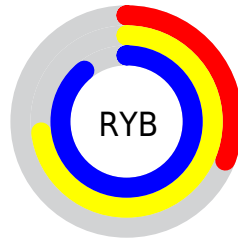
The RGB color **80, 226, 133** is a light color, and the websafe version is hex **33CC66**. The color can be described as light muted spring green. A complement of this color would be **226, 80, 173**, and the grayscale version is **172, 172, 172**.

A 20% lighter version of the original color is **143, 255, 187**, and **0, 169, 82** is the 20% darker color. If you saturate the color by 10%, you get **57, 226, 119**, and if you desaturate by 10%, it is **103, 226, 147**.

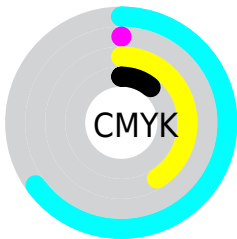
Distribution



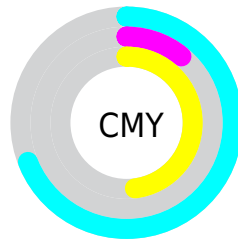
- Red (31%)
- Green (89%)
- Blue (52%)



- Red (31%)
- Yellow (73%)
- Blue (89%)



- Cyan (65%)
- Magenta (0%)
- Yellow (41%)
- Black (11%)
















- Cyan (69%)
- Magenta (11%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the RGB color 80, 226, 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 80, 226, 133 by changing the saturation by 10% instead.

 80, 226, 133	 80, 226, 133
 255, 255, 255	 41, 197, 107
 143, 255, 187	 0, 169, 82
 173, 255, 215	 0, 142, 58
 204, 255, 244	 0, 115, 33
 234, 255, 255	 0, 90, 7
	 0, 64, 0
	 0, 42, 0
	 0, 4, 0
	 0, 0, 0

 80, 226, 133

 80, 226, 133

 57, 226, 119

 103, 226, 147

 35, 226, 104

 125, 226, 162

 12, 226, 90

 148, 226, 176

 0, 226, 82

 170, 226, 191

 193, 226, 205

 216, 226, 219

 238, 226, 234

 255, 226, 248

 255, 226, 255

Harmonies

Analogous

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



171, 215, 82



80, 226, 133



0, 231, 198

Triad

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



80, 226, 133



26, 207, 255



255, 150, 140

Complementary

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



80, 226, 133



226, 80, 173

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, 142, 203



80, 226, 133



201, 183, 255

Square

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



80, 226, 133



0, 223, 255



255, 157, 255



255, 173, 89

Rectangle

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



80, 226, 133



0, 231, 241



255, 157, 255



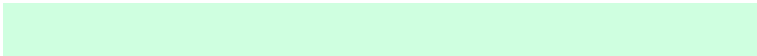
255, 145, 160

Sweetspot

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



80, 226, 133



207, 255, 224



175, 226, 80



98, 128, 109



0, 0, 0



128, 128, 128

Same Dimension

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



80, 226, 133



56, 255, 128



80, 226, 204



101, 112, 105



0, 176, 64



0, 48, 18

Inverse Universe

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



226, 80, 173



255, 56, 183



226, 80, 102



112, 101, 108



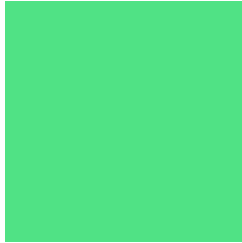
176, 0, 112



48, 0, 31

Previews

White Background



This preview shows how the RGB color 80, 226, 133 looks on a white background.

Color Contrast Check

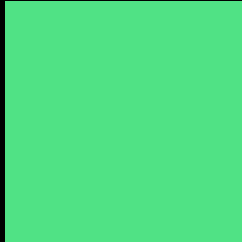
Large Text (above 18pt) WCAG AA × Fail

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 80, 226, 133 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

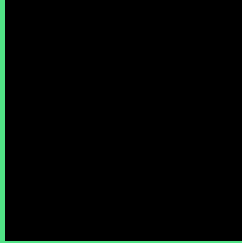
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

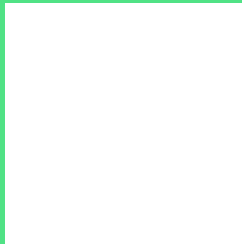
Any Text WCAG AAA ✓ Pass

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

RGB 80, 226, 133 Background



This preview shows how black text looks on a background with the RGB color 80, 226, 133.

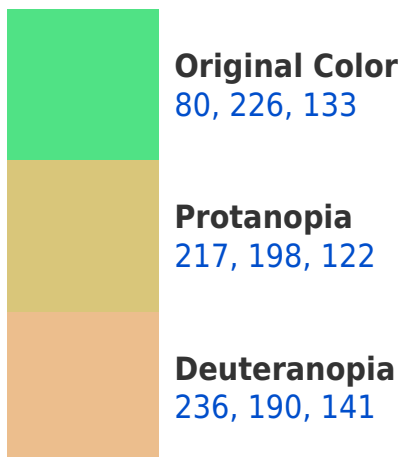


This preview shows how white text looks on a background with the RGB color 80, 226, 133.

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





Tritanopia
111, 214, 232

Trichromacy



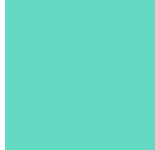
Original Color
80, 226, 133



Protanomaly
167, 208, 126



Deuteranomaly
179, 203, 138

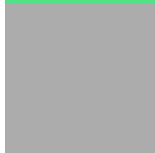


Tritanomaly
100, 218, 196

Monochromacy



Original Color
80, 226, 133



Achromatopsia
172, 172, 172



Achromatomaly
139, 192, 158

CSS Examples

Text

The CSS property to change the color of the text to RGB 80, 226, 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(80, 226, 133)` looks like.

```
.text, #text, p{  
    color:rgb(80, 226, 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(80, 226, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 226, 133) }
```

Border

The CSS property to change the border of an element to RGB 80, 226, 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(80, 226, 133) }
```

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

```
.border{ border-color:rgb(80, 226, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 226, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 226, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 226, 133);  
box-shadow:4px 4px 4px 4px rgb(80, 226,  
133) }
```

Background

The CSS property to change the background color of an element to RGB 80, 226, 133 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 226, 133) }
```

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

```
.background{ background-color: rgb(80, 226,  
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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