

Converting Colors

RGB(47, 202, 113)

Have a look what the booklet for
RGB(47, 202, 113) contains.

RGB(47, 202, 113)	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(47, 202, 113)

Conversions

Conversions Part 1

Format	Color
Hex	2FCA71
RGB	47, 202, 113
RGB Percent	18%, 79%, 44%
CMY	0.8157, 0.2078, 0.5569
CMYK	0.77, 0.00, 0.44, 0.21
HSL	146°, 62%, 49%
HSV	146°, 77%, 79%
XYZ	25.2735, 44.0377, 22.7909
YIQ	145.5090, -63.8110, -60.5390

Conversions

Conversions Part 2

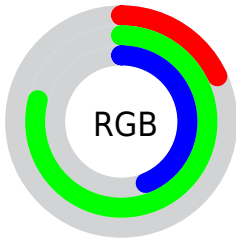
Format	Color
RYB	47, 156, 202
Decimal	3132017
CIELab	72.25, -58.88, 33.41
CIElCh	72, 67.700, 150.427
Yxy	44.0377, 0.2744, 0.4781
Android (android.graphics.Color)	4281322097 (0xFF2FCA71)
YUV	145.5090, -16.0269, -86.3924
Hunter-Lab	66.3609, -48.1500, 26.0902

Details

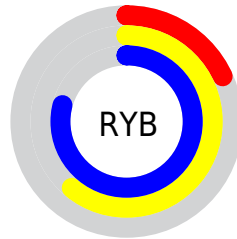
The RGB color **47, 202, 113** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted spring green. A complement of this color would be **202, 47, 136**, and the grayscale version is **146, 146, 146**.

A 20% lighter version of the original color is **117, 255, 166**, and **0, 146, 63** is the 20% darker color. If you saturate the color by 10%, you get **27, 202, 101**, and if you desaturate by 10%, it is **67, 202, 125**.

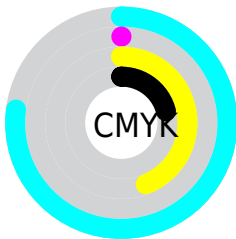
Distribution



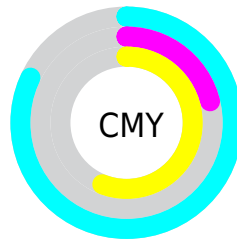
- Red (18%)
- Green (79%)
- Blue (44%)



- Red (18%)
- Yellow (61%)
- Blue (79%)



- Cyan (77%)
- Magenta (0%)
- Yellow (44%)
- Black (21%)



- Cyan (82%)
- Magenta (21%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the RGB color 47, 202, 113 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 47, 202, 113 by changing the saturation by 10% instead.


 47, 202, 113

 47, 202, 113


255, 255, 255

 0, 174, 88


 117, 255, 166

 0, 146, 63

 147, 255, 193

 0, 120, 39

 178, 255, 222

 0, 94, 14

 208, 255, 250

 0, 68, 0

 238, 255, 255

 0, 46, 0

 0, 15, 0

 0, 0, 0

 47, 202, 113

 47, 202, 113

■ 27, 202, 101

■ 67, 202, 125

■ 7, 202, 90

■ 87, 202, 136

■ 0, 202, 86

■ 108, 202, 148

■ 128, 202, 159

■ 148, 202, 171

■ 168, 202, 183

■ 188, 202, 194

■ 209, 202, 206

■ 229, 202, 217

Harmonies

Analogous

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



146, 192, 61



47, 202, 113



0, 207, 176

Triad

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



47, 202, 113



0, 184, 255



255, 127, 118

Complementary

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



47, 202, 113



202, 47, 136

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, 119, 179



47, 202, 113



178, 160, 255

Square

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



47, 202, 113



0, 199, 255



253, 134, 239



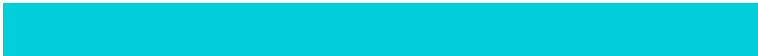
255, 151, 67

Rectangle

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



47, 202, 113



0, 207, 219



253, 134, 239



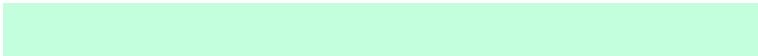
255, 122, 138

Sweetspot

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



47, 202, 113



196, 255, 221



137, 202, 47



92, 128, 107



0, 0, 0



128, 128, 128

Same Dimension

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



47, 202, 113



20, 255, 120



47, 202, 189



92, 102, 96



0, 166, 71



0, 38, 16

Inverse Universe

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



202, 47, 136



255, 20, 155



202, 47, 60



102, 92, 98



166, 0, 95



38, 0, 22

Previews

White Background



This preview shows how the RGB color 47, 202, 113 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 47, 202, 113 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

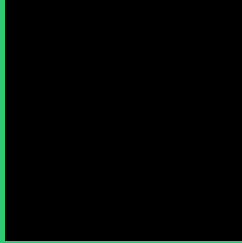
Any Text WCAG AA ✓ Pass

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 47, 202, 113 Background



This preview shows how black text looks on a background with the RGB color 47, 202, 113.

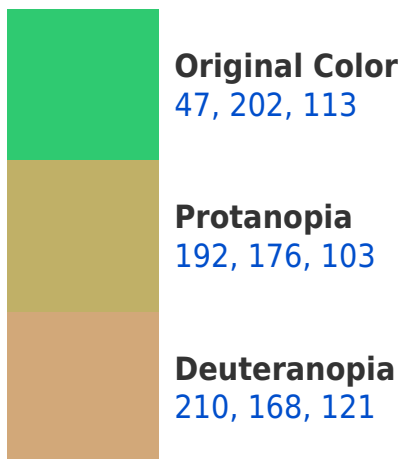


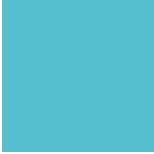
This preview shows how white text looks on a background with the RGB color 47, 202, 113.

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
86, 191, 207

Trichromacy



Original Color

47, 202, 113



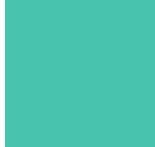
Protanomaly

139, 185, 107



Deuteranomaly

151, 180, 118



Tritanomaly

72, 195, 173

Monochromacy



Original Color

47, 202, 113



Achromatopsia

146, 146, 146



Achromatomaly

110, 166, 134

CSS Examples

Text

The CSS property to change the color of the text to RGB 47, 202, 113 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(47, 202, 113)` looks like.

```
.text, #text, p{  
    color:rgb(47, 202, 113)  
}
```

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(47, 202, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 202, 113) }
```

Border

The CSS property to change the border of an element to RGB 47, 202, 113 is called "border". The border property can be set on classes, ids or directly on the HTML element.

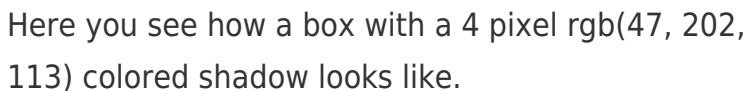
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(47, 202, 113) }
```

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

```
.border{ border-color:rgb(47, 202, 113) }
```

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



Here you see how a box with a 4 pixel `rgb(47, 202, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 202, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 202, 113);  
box-shadow:4px 4px 4px 4px rgb(47, 202,  
113) }
```

Background

The CSS property to change the background color of an element to RGB 47, 202, 113 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 202, 113) }
```

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

```
.background{ background-color: rgb(47, 202,  
113) }
```

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