

Converting Colors

RGB(33, 204, 117)

Have a look what the booklet for
RGB(33, 204, 117) contains.

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Color

RGB(33, 204, 117)

Conversions

Conversions Part 1

Format	Color
Hex	21CC75
RGB	33, 204, 117
RGB Percent	13%, 80%, 46%
CMY	0.8706, 0.2000, 0.5412
CMYK	0.84, 0.00, 0.43, 0.20
HSL	149°, 72%, 46%
HSV	149°, 84%, 80%
XYZ	25.4310, 44.7934, 24.1353
YIQ	142.9530, -73.9890, -63.3090

Conversions

Conversions Part 2

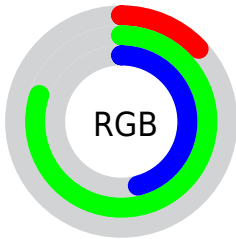
Format	Color
RYB	33, 148, 204
Decimal	2215029
CIELab	72.76, -60.38, 31.99
CIELCh	73, 68.328, 152.086
Yxy	44.7934, 0.2695, 0.4747
Android (android.graphics.Color)	4280405109 (0xFF21CC75)
YUV	142.9530, -12.7948, -96.4288
Hunter-Lab	66.9279, -49.2982, 25.4686

Details

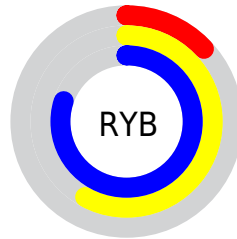
The RGB color **33, 204, 117** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted spring green. A complement of this color would be **204, 33, 120**, and the grayscale version is **143, 143, 143**.

A 20% lighter version of the original color is **110, 255, 170**, and **0, 148, 67** is the 20% darker color. If you saturate the color by 10%, you get **13, 204, 107**, and if you desaturate by 10%, it is **53, 204, 127**.

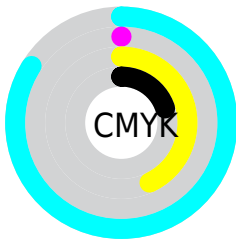
Distribution



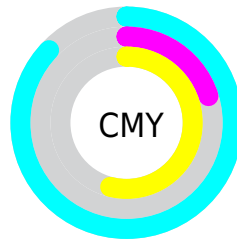
- Red (13%)
- Green (80%)
- Blue (46%)



- Red (13%)
- Yellow (58%)
- Blue (80%)



- Cyan (84%)
- Magenta (0%)
- Yellow (43%)
- Black (20%)



















- Cyan (87%)
- Magenta (20%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the RGB color 33, 204, 117 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 33, 204, 117 by changing the saturation by 10% instead.

 33, 204, 117	 33, 204, 117
 255, 255, 255	 0, 176, 92
 110, 255, 170	 0, 148, 67
 142, 255, 198	 0, 121, 43
 172, 255, 226	 0, 95, 19
 203, 255, 255	 0, 70, 0
 233, 255, 255	 0, 47, 0
	 0, 17, 0
	 0, 0, 0

 33, 204, 117  33, 204, 117

■ 13, 204, 107

■ 53, 204, 127

■ 0, 204, 100

■ 74, 204, 138

■ 94, 204, 148

■ 115, 204, 159

■ 135, 204, 169

■ 155, 204, 179

■ 176, 204, 190

■ 196, 204, 200

■ 217, 204, 210

Harmonies

Analogous

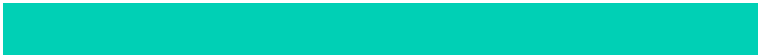
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



143, 194, 63



33, 204, 117



0, 208, 181

Triad

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



33, 204, 117



0, 184, 255



255, 129, 116

Complementary

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



33, 204, 117



204, 33, 120

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, 177



33, 204, 117



185, 160, 255

Square

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



33, 204, 117



0, 200, 255



255, 133, 238



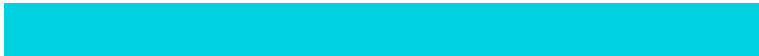
255, 153, 65

Rectangle

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



33, 204, 117



0, 208, 224



255, 133, 238



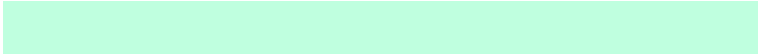
255, 123, 135

Sweetspot

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



33, 204, 117



191, 255, 223



121, 204, 33



89, 128, 108



0, 0, 0



128, 128, 128

Same Dimension

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



33, 204, 117



0, 255, 125



33, 204, 201



92, 102, 97



0, 166, 81



0, 38, 19

Inverse Universe

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



204, 33, 120



255, 0, 130



204, 33, 36



102, 92, 97



166, 0, 84



38, 0, 19

Previews

White Background



This preview shows how the RGB color 33, 204, 117 looks on a white background.

Color Contrast Check

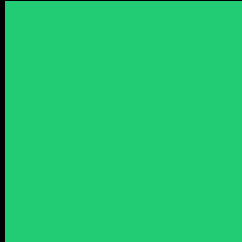
Large Text (above 18pt) WCAG AA × Fail

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 33, 204, 117 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

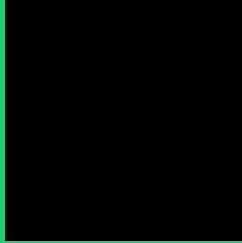
Any Text WCAG AA ✓ Pass

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 33, 204, 117 Background



This preview shows how black text looks on a background with the RGB color 33, 204, 117.

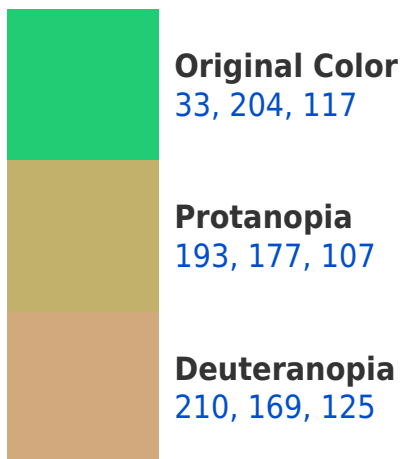


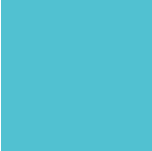
This preview shows how white text looks on a background with the RGB color 33, 204, 117.

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
81, 193, 209

Trichromacy



Original Color

33, 204, 117



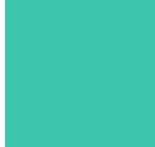
Protanomaly

135, 187, 111



Deuteranomaly

146, 182, 122



Tritanomaly

64, 197, 176

Monochromacy



Original Color

33, 204, 117



Achromatopsia

143, 143, 143



Achromatomaly

103, 165, 134

CSS Examples

Text

The CSS property to change the color of the text to RGB 33, 204, 117 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(33, 204, 117)` looks like.

```
.text, #text, p{  
    color:rgb(33, 204, 117)  
}
```

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(33, 204, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 204, 117) }
```

Border

The CSS property to change the border of an element to RGB 33, 204, 117 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(33, 204, 117) }
```

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

```
.border{ border-color:rgb(33, 204, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 204, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 204, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 204, 117);  
box-shadow:4px 4px 4px 4px rgb(33, 204,  
117) }
```

Background

The CSS property to change the background color of an element to RGB 33, 204, 117 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 204, 117) }
```

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

```
.background{ background-color: rgb(33, 204,  
117) }
```

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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