

Converting Colors

RGB(33, 171, 129)

Have a look what the booklet for
RGB(33, 171, 129) contains.

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Color

RGB(33, 171, 129)

Conversions

Conversions Part 1

Format	Color
Hex	21AB81
RGB	33, 171, 129
RGB Percent	13%, 67%, 51%
CMY	0.8706, 0.3294, 0.4941
CMYK	0.81, 0.00, 0.25, 0.33
HSL	162°, 68%, 40%
HSV	162°, 81%, 67%
XYZ	19.1526, 31.0341, 25.7496
YIQ	124.9500, -68.7660, -42.3180

Conversions

Conversions Part 2

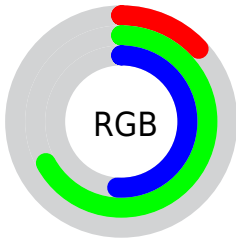
Format	Color
RYB	33, 114, 171
Decimal	2206593
CIELab	62.54, -45.39, 11.73
CIELCh	63, 46.876, 165.512
Yxy	31.0341, 0.2522, 0.4087
Android (android.graphics.Color)	4280396673 (0xFF21AB81)
YUV	124.9500, 1.9966, -80.6402
Hunter-Lab	55.7083, -36.1210, 11.5906

Details

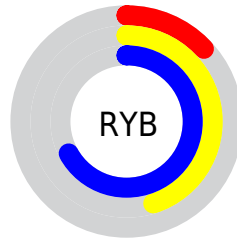
The RGB color **33, 171, 129** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **171, 33, 75**, and the grayscale version is **125, 125, 125**.

A 20% lighter version of the original color is **103, 227, 182**, and **0, 118, 80** is the 20% darker color. If you saturate the color by 10%, you get **16, 171, 124**, and if you desaturate by 10%, it is **50, 171, 134**.

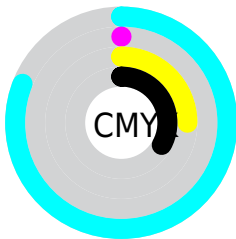
Distribution



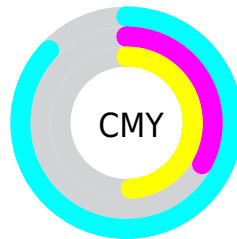
- Red (13%)
- Green (67%)
- Blue (51%)



- Red (13%)
- Yellow (45%)
- Blue (67%)



- Cyan (81%)
- Magenta (0%)
- Yellow (25%)
- Black (33%)



- Cyan (87%)
- Magenta (33%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the RGB color 33, 171, 129 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, 171, 129 by changing the saturation by 10% instead.

 33, 171, 129  33, 171, 129

255, 255, 255  0, 144, 104

 103, 227, 182  0, 118, 80

 132, 255, 210  0, 92, 57

 162, 255, 238  0, 67, 35

 191, 255, 255  0, 45, 14

 221, 255, 255  0, 16, 0

 251, 255, 255  0, 0, 0

 33, 171, 129  33, 171, 129

 16, 171, 124  50, 171, 134

■ 0, 171, 119

■ 67, 171, 139

■ 84, 171, 145

■ 101, 171, 150

■ 119, 171, 155

■ 136, 171, 160

■ 153, 171, 165

■ 170, 171, 171

■ 187, 171, 176

Harmonies

Analogous

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



108, 166, 91



33, 171, 129



0, 172, 172

Triad

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



33, 171, 129



120, 148, 231



220, 127, 94

Complementary

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



33, 171, 129



171, 33, 75

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.



230, 117, 131



33, 171, 129



182, 132, 210

Square

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



33, 171, 129



0, 161, 231



218, 119, 173



193, 142, 69

Rectangle

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



33, 171, 129



0, 171, 198



218, 119, 173



225, 122, 105

Sweetspot

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



33, 171, 129



169, 222, 206



77, 171, 33



80, 112, 102



240, 240, 240



112, 112, 112

Same Dimension

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



33, 171, 129



7, 222, 156



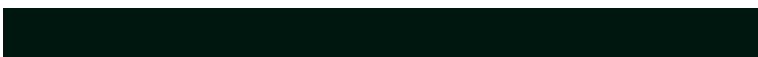
33, 146, 171



78, 87, 84



0, 150, 105



0, 23, 16

Inverse Universe

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



171, 33, 75



222, 7, 72



171, 58, 33



87, 78, 81



150, 0, 46



23, 0, 7

Previews

White Background



This preview shows how the RGB color 33, 171, 129 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, 171, 129 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

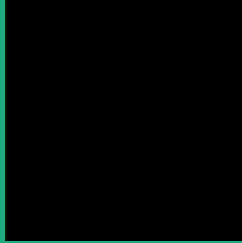
Any Text WCAG AA ✓ Pass

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, 171, 129 Background



This preview shows how black text looks on a background with the RGB color 33, 171, 129.

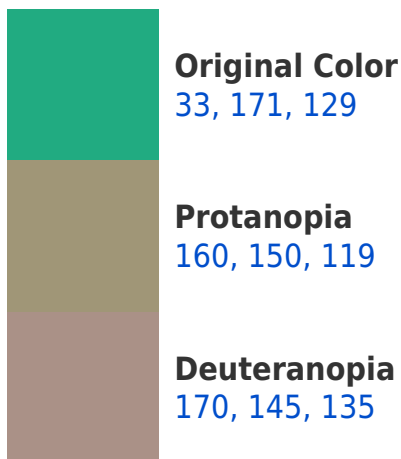


This preview shows how white text looks on a background with the RGB color 33, 171, 129.

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
62, 165, 178

Trichromacy



Original Color

33, 171, 129



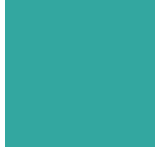
Protanomaly

114, 158, 123



Deuteranomaly

120, 154, 133



Tritanomaly

51, 167, 160

Monochromacy



Original Color

33, 171, 129



Achromatopsia

125, 125, 125



Achromatomaly

92, 142, 126

CSS Examples

Text

The CSS property to change the color of the text to RGB 33, 171, 129 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, 171, 129)` looks like.

```
.text, #text, p{  
    color:rgb(33, 171, 129)  
}
```

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, 171, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 171, 129) }
```

Border

The CSS property to change the border of an element to RGB 33, 171, 129 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, 171, 129) }
```

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

```
.border{ border-color:rgb(33, 171, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 171, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(33, 171, 129); -webkit-box-shadow:4px 4px 4px 4px rgb(33, 171, 129); box-shadow:4px 4px 4px 4px rgb(33, 171, 129) }
```

Background

The CSS property to change the background color of an element to RGB 33, 171, 129 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 171, 129) }
```

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

```
.background{ background-color: rgb(33, 171,  
129) }
```

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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