

Converting Colors

RGB(33, 178, 171)

Have a look what the booklet for
RGB(33, 178, 171) contains.

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Color

RGB(33, 178, 171)

Conversions

Conversions Part 1

Format	Color
Hex	21B2AB
RGB	33, 178, 171
RGB Percent	13%, 70%, 67%
CMY	0.8706, 0.3020, 0.3294
CMYK	0.81, 0.00, 0.04, 0.30
HSL	177°, 69%, 41%
HSV	177°, 81%, 70%
XYZ	23.8983, 35.1044, 44.0443
YIQ	133.8470, -84.1730, -32.9170

Conversions

Conversions Part 2

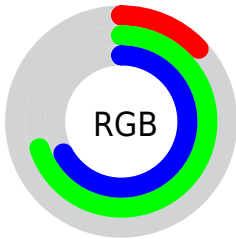
Format	Color
RYB	33, 107, 178
Decimal	2208427
CIELab	65.83, -37.13, -6.83
CIElCh	66, 37.755, 190.418
Yxy	35.1044, 0.2319, 0.3407
Android (android.graphics.Color)	4280398507 (0xFF21B2AB)
YUV	133.8470, 18.3164, -88.4428
Hunter-Lab	59.2490, -31.6871, -2.6006

Details

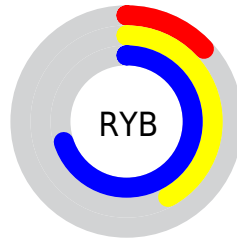
The RGB color **33, 178, 171** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **178, 33, 40**, and the grayscale version is **134, 134, 134**.

A 20% lighter version of the original color is **107, 234, 226**, and **0, 125, 119** is the 20% darker color. If you saturate the color by 10%, you get **15, 178, 170**, and if you desaturate by 10%, it is **51, 178, 172**.

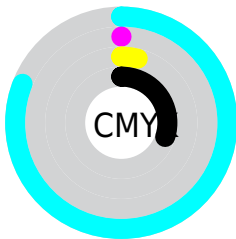
Distribution



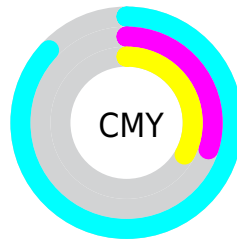
- Red (13%)
- Green (70%)
- Blue (67%)



- Red (13%)
- Yellow (42%)
- Blue (70%)



- Cyan (81%)
- Magenta (0%)
- Yellow (4%)
- Black (30%)



- Cyan (87%)
- Magenta (30%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the RGB color 33, 178, 171 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, 178, 171 by changing the saturation by 10% instead.

 33, 178, 171  33, 178, 171


255, 255, 255  0, 151, 145

 107, 234, 226  0, 125, 119


 138, 255, 255  0, 99, 94

 168, 255, 255  0, 74, 71

 198, 255, 255  0, 51, 48

 228, 255, 255  0, 29, 28

 0, 0, 0

 33, 178, 171  33, 178, 171

 15, 178, 170  51, 178, 172

■ 0, 178, 169

■ 69, 178, 173

■ 86, 178, 174

■ 104, 178, 174

■ 122, 178, 175

■ 140, 178, 176

■ 158, 178, 177

■ 175, 178, 178

■ 193, 178, 179

Harmonies

Analogous

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



90, 176, 136



33, 178, 171



0, 176, 203

Triad

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



33, 178, 171



179, 147, 212



201, 150, 96

Complementary

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



33, 178, 171



178, 33, 40

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.



221, 139, 118



33, 178, 171



212, 136, 183

Square

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



33, 178, 171



130, 159, 226



225, 133, 149



170, 162, 92

Rectangle

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



33, 178, 171



41, 172, 218



225, 133, 149



209, 146, 102

Sweetspot

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



33, 178, 171



176, 232, 229



40, 178, 33



83, 117, 116



245, 245, 245



117, 117, 117

Same Dimension

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



33, 178, 171



5, 232, 221



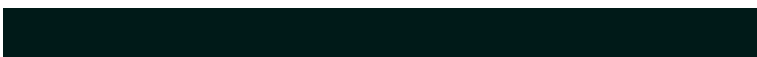
33, 113, 178



80, 89, 89



0, 153, 146



0, 26, 24

Inverse Universe

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



178, 33, 40



232, 5, 16



178, 98, 33



89, 80, 81



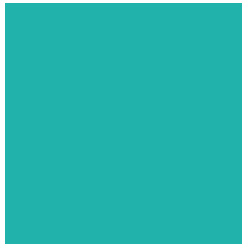
153, 0, 7



26, 0, 1

Previews

White Background



This preview shows how the RGB color 33, 178, 171 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, 178, 171 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

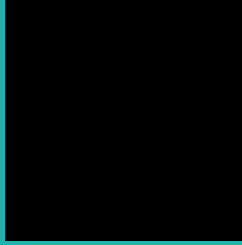
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

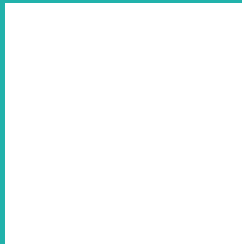
Any Text WCAG AAA ✓ Pass

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

RGB 33, 178, 171 Background



This preview shows how black text looks on a background with the RGB color 33, 178, 171.

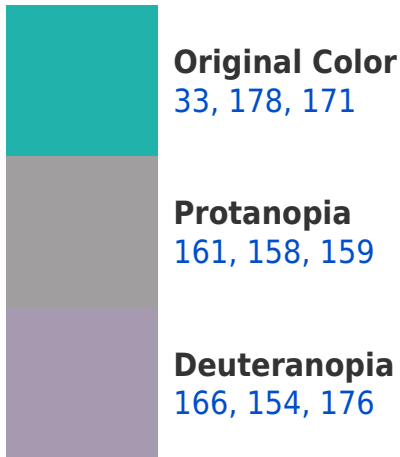


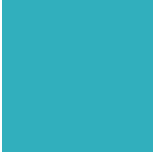
This preview shows how white text looks on a background with the RGB color 33, 178, 171.

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
49, 175, 189

Trichromacy



Original Color

33, 178, 171



Protanomaly

114, 165, 163



Deuteranomaly

118, 163, 174



Tritanomaly

43, 176, 182

Monochromacy



Original Color

33, 178, 171



Achromatopsia

134, 134, 134



Achromatomaly

97, 150, 147

CSS Examples

Text

The CSS property to change the color of the text to RGB 33, 178, 171 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, 178, 171)` looks like.

```
.text, #text, p{  
    color:rgb(33, 178, 171)  
}
```

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, 178, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 178, 171) }
```

Border

The CSS property to change the border of an element to RGB 33, 178, 171 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, 178, 171) }
```

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

```
.border{ border-color:rgb(33, 178, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 178, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 178, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 178, 171);  
box-shadow:4px 4px 4px 4px rgb(33, 178,  
171) }
```

Background

The CSS property to change the background color of an element to RGB 33, 178, 171 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 178, 171) }
```

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

```
.background{ background-color: rgb(33, 178,  
171) }
```

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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