

Converting Colors

RGB(33, 169, 170)

Have a look what the booklet for
RGB(33, 169, 170) contains.

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Color

RGB(33, 169, 170)

Conversions

Conversions Part 1

Format	Color
Hex	21A9AA
RGB	33, 169, 170
RGB Percent	13%, 66%, 67%
CMY	0.8706, 0.3373, 0.3333
CMYK	0.81, 0.01, 0.00, 0.33
HSL	180°, 67%, 40%
HSV	180°, 81%, 67%
XYZ	22.0709, 31.6015, 42.9667
YIQ	128.4500, -81.3770, -28.5210

Conversions

Conversions Part 2

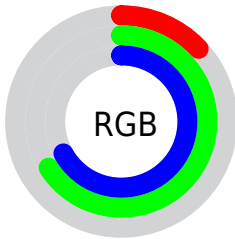
Format	Color
RYB	33, 101, 170
Decimal	2206122
CIELab	63.01, -33.25, -10.47
CIELCh	63, 34.855, 197.479
Yxy	31.6015, 0.2284, 0.3270
Android (android.graphics.Color)	4280396202 (0xFF21A9AA)
YUV	128.4500, 20.4842, -83.7096
Hunter-Lab	56.2153, -28.2952, -5.9661

Details

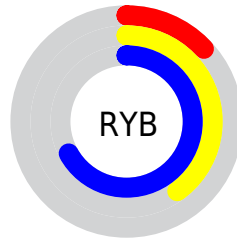
The RGB color **33, 169, 170** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **170, 34, 33**, and the grayscale version is **128, 128, 128**.

A 20% lighter version of the original color is **105, 225, 225**, and **0, 116, 118** is the 20% darker color. If you saturate the color by 10%, you get **16, 169, 170**, and if you desaturate by 10%, it is **50, 169, 170**.

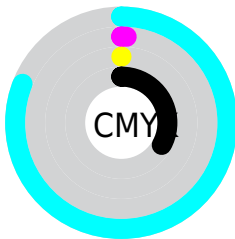
Distribution



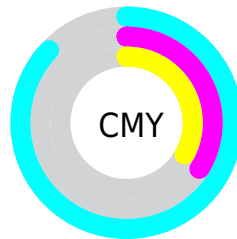
- Red (13%)
- Green (66%)
- Blue (67%)



- Red (13%)
- Yellow (40%)
- Blue (67%)



- Cyan (81%)
- Magenta (1%)
- Yellow (0%)
- Black (33%)




- Cyan (87%)
- Magenta (34%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the RGB color 33, 169, 170 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, 169, 170 by changing the saturation by 10% instead.

 33, 169, 170

255, 255, 255


 105, 225, 225

 136, 254, 254


 166, 255, 255


 196, 255, 255

 226, 255, 255

 33, 169, 170


 0, 142, 144

 0, 116, 118


 0, 91, 93


 0, 67, 70


 0, 44, 47


 0, 19, 27

 0, 0, 0

 33, 169, 170

 16, 169, 170

 33, 169, 170

 50, 169, 170

■ 0, 169, 170

■ 67, 169, 170

■ 84, 169, 170

■ 101, 169, 170

■ 118, 170, 170

■ 135, 170, 170

■ 152, 170, 170

■ 169, 170, 170

■ 186, 170, 170

Harmonies

Analogous

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



80, 168, 138



33, 169, 170



27, 166, 197

Triad

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



33, 169, 170



179, 138, 195



184, 146, 92

Complementary

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



33, 169, 170



170, 34, 33

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.



205, 136, 108



33, 169, 170



205, 130, 167

Square

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



33, 169, 170



137, 149, 211



213, 129, 135



155, 156, 92

Rectangle

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



33, 169, 170



65, 162, 209



213, 129, 135



192, 142, 96

Sweetspot

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



33, 169, 170



169, 221, 222



33, 170, 33



80, 112, 112



240, 240, 240



112, 112, 112

Same Dimension

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



33, 169, 170



7, 220, 222



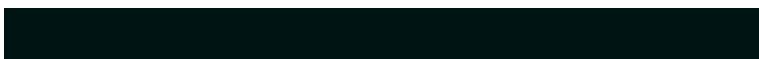
33, 101, 170



76, 84, 84



0, 147, 148



0, 20, 20

Inverse Universe

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



170, 33, 169



222, 7, 220



170, 101, 33



84, 76, 84



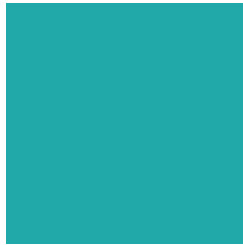
148, 0, 147



20, 0, 20

Previews

White Background



This preview shows how the RGB color 33, 169, 170 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, 169, 170 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

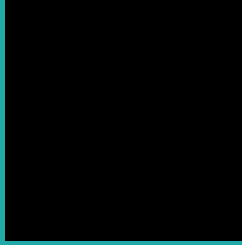
Any Text WCAG AA ✓ Pass

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, 169, 170 Background



This preview shows how black text looks on a background with the RGB color 33, 169, 170.

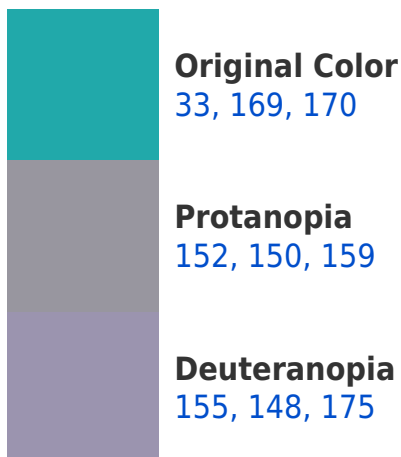


This preview shows how white text looks on a background with the RGB color 33, 169, 170.

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
43, 167, 181

Trichromacy



Original Color

33, 169, 170



Protanomaly

109, 157, 163



Deuteranomaly

111, 156, 173



Tritanomaly

39, 168, 177

Monochromacy



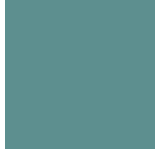
Original Color

33, 169, 170



Achromatopsia

128, 128, 128



Achromatomaly

93, 143, 143

CSS Examples

Text

The CSS property to change the color of the text to RGB 33, 169, 170 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, 169, 170)` looks like.

```
.text, #text, p{  
    color:rgb(33, 169, 170)  
}
```

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, 169, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 169, 170) }
```

Border

The CSS property to change the border of an element to RGB 33, 169, 170 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, 169, 170) }
```

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

```
.border{ border-color:rgb(33, 169, 170) }
```

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

Here you see how a box with a 4 pixel rgb(33, 169, 170) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 169, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 169, 170);  
box-shadow:4px 4px 4px 4px rgb(33, 169,  
170) }
```

Background

The CSS property to change the background color of an element to RGB 33, 169, 170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 169, 170) }
```

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

```
.background{ background-color: rgb(33, 169,  
170) }
```

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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