

Converting Colors

RGB(33, 163, 159)

Have a look what the booklet for
RGB(33, 163, 159) contains.

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Color

RGB(33, 163, 159)

Conversions

Conversions Part 1

Format	Color
Hex	21A39F
RGB	33, 163, 159
RGB Percent	13%, 64%, 62%
CMY	0.8706, 0.3608, 0.3765
CMYK	0.80, 0.00, 0.02, 0.36
HSL	178°, 66%, 38%
HSV	178°, 80%, 64%
XYZ	19.9824, 29.0209, 37.3493
YIQ	123.6740, -76.1960, -28.8040

Conversions

Conversions Part 2

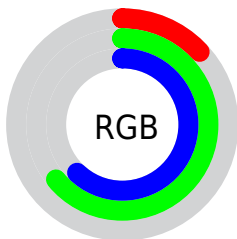
Format	Color
R_{YB}	33, 99, 163
Decimal	2204575
CIE _{Lab}	60.80, -33.73, -7.59
CIE _{LCh}	61, 34.570, 192.681
Yxy	29.0209, 0.2314, 0.3361
Android (android.graphics.Color)	4280394655 (0xFF21A39F)
YUV	123.6740, 17.4157, -79.5211
Hunter-Lab	53.8711, -28.0634, -3.3965

Details

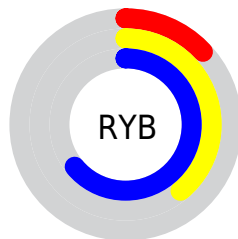
The RGB color **33, 163, 159** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **163, 33, 37**, and the grayscale version is **124, 124, 124**.

A 20% lighter version of the original color is **103, 218, 214**, and **0, 111, 108** is the 20% darker color. If you saturate the color by 10%, you get **17, 163, 158**, and if you desaturate by 10%, it is **49, 163, 160**.

Distribution



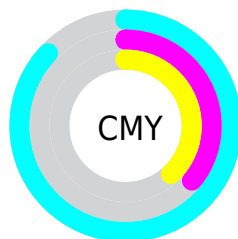
- Red (13%)
- Green (64%)
- Blue (62%)



- Red (13%)
- Yellow (39%)
- Blue (64%)



- Cyan (80%)
- Magenta (0%)
- Yellow (2%)
- Black (36%)



- Cyan (87%)
- Magenta (36%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the RGB color 33, 163, 159 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, 163, 159 by changing the saturation by 10% instead.



33, 163, 159



33, 163, 159

255, 255, 255



0, 136, 133



103, 218, 214



0, 111, 108



133, 247, 242



0, 86, 84



163, 255, 255



0, 62, 60



192, 255, 255



0, 40, 39



222, 255, 255



0, 6, 19

253, 255, 255



0, 0, 0



33, 163, 159



33, 163, 159



17, 163, 158



49, 163, 160

■ 0, 163, 158

■ 66, 163, 160

■ 0, 163, 158

■ 82, 163, 161

■ 98, 163, 161

■ 114, 163, 162

■ 131, 163, 162

■ 147, 163, 163

■ 163, 163, 163

■ 180, 163, 164

Harmonies

Analogous

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



81, 162, 127



33, 163, 159



1, 161, 187

Triad

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



33, 163, 159



167, 134, 192



182, 139, 89

Complementary

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



33, 163, 159



163, 33, 37

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.



201, 129, 107



33, 163, 159



195, 125, 166

Square

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



33, 163, 159



123, 145, 206



206, 123, 135



154, 149, 86

Rectangle

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



33, 163, 159



49, 157, 200



206, 123, 135



189, 135, 93

Sweetspot

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



33, 163, 159



161, 212, 210



37, 163, 33



76, 107, 106



235, 235, 235



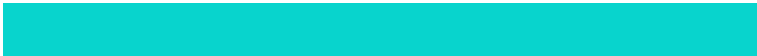
107, 107, 107

Same Dimension

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



33, 163, 159



8, 212, 205



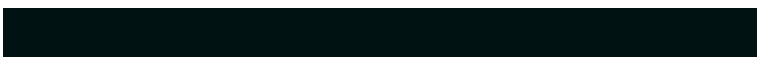
33, 102, 163



73, 82, 81



0, 145, 141



0, 18, 17

Inverse Universe

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



163, 33, 37



212, 8, 15



163, 94, 33



82, 73, 74



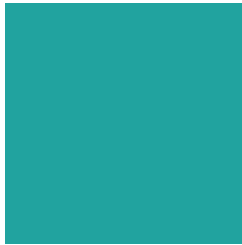
145, 0, 4



18, 0, 1

Previews

White Background



This preview shows how the RGB color 33, 163, 159 looks on a white background.

Color Contrast Check

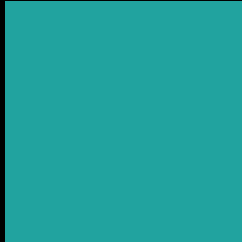
Large Text (above 18pt) WCAG AA ✓ Pass

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, 163, 159 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

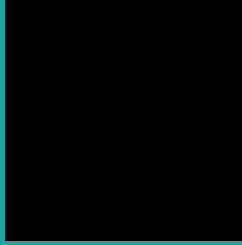
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

RGB 33, 163, 159 Background



This preview shows how black text looks on a background with the RGB color 33, 163, 159.




This preview shows how white text looks on a background with the RGB color 33, 163, 159.

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
45, 161, 174

Trichromacy



Original Color

33, 163, 159



Protanomaly

106, 152, 152



Deuteranomaly

108, 150, 162



Tritanomaly

41, 162, 169

Monochromacy



Original Color

33, 163, 159



Achromatopsia

124, 124, 124



Achromatomaly

91, 138, 137

CSS Examples

Text

The CSS property to change the color of the text to RGB 33, 163, 159 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, 163, 159)` looks like.

```
.text, #text, p{  
    color:rgb(33, 163, 159)  
}
```

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, 163, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 163, 159) }
```

Border

The CSS property to change the border of an element to RGB 33, 163, 159 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, 163, 159) }
```

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

```
.border{ border-color:rgb(33, 163, 159) }
```

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

Here you see how a box with a 4 pixel rgb(33, 163, 159) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 163, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 163, 159);  
box-shadow:4px 4px 4px 4px rgb(33, 163,  
159) }
```

Background

The CSS property to change the background color of an element to RGB 33, 163, 159 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 163, 159) }
```

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

```
.background{ background-color: rgb(33, 163,  
159) }
```

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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