

Converting Colors

RGB(31, 186, 154)

Have a look what the booklet for
RGB(31, 186, 154) contains.

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Color

RGB(31, 186, 154)

Conversions

Conversions Part 1

Format	Color
Hex	1FBA9A
RGB	31, 186, 154
RGB Percent	12%, 73%, 60%
CMY	0.8784, 0.2706, 0.3961
CMYK	0.83, 0.00, 0.17, 0.27
HSL	168°, 71%, 43%
HSV	168°, 83%, 73%
XYZ	23.9567, 37.7422, 36.5942
YIQ	136.0070, -82.1080, -42.8120

Conversions

Conversions Part 2

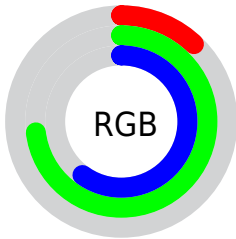
Format	Color
RYB	31, 117, 186
Decimal	2079386
CIELab	67.83, -45.50, 5.48
CIElCh	68, 45.827, 173.130
Yxy	37.7422, 0.2437, 0.3840
Android (android.graphics.Color)	4280269466 (0xFF1FBA9A)
YUV	136.0070, 8.8705, -92.0911
Hunter-Lab	61.4347, -37.9039, 7.6876

Details

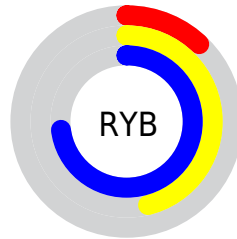
The RGB color **31, 186, 154** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **186, 31, 63**, and the grayscale version is **136, 136, 136**.

A 20% lighter version of the original color is **106, 243, 208**, and **0, 132, 103** is the 20% darker color. If you saturate the color by 10%, you get **12, 186, 150**, and if you desaturate by 10%, it is **50, 186, 158**.

Distribution



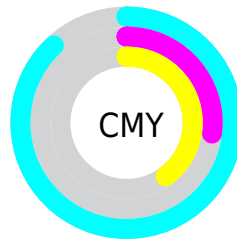
- Red (12%)
- Green (73%)
- Blue (60%)



- Red (12%)
- Yellow (46%)
- Blue (73%)



- Cyan (83%)
- Magenta (0%)
- Yellow (17%)
- Black (27%)



- Cyan (88%)
- Magenta (27%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the RGB color 31, 186, 154 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 31, 186, 154 by changing the saturation by 10% instead.



31, 186, 154



31, 186, 154

255, 255, 255



0, 159, 128



106, 243, 208



0, 132, 103



137, 255, 237



0, 106, 79



167, 255, 255



0, 81, 56



197, 255, 255



0, 56, 35



228, 255, 255



0, 35, 13



0, 0, 0



31, 186, 154



31, 186, 154



12, 186, 150



50, 186, 158

■ 0, 186, 148

■ 68, 186, 162

■ 87, 186, 166

■ 105, 186, 169

■ 124, 186, 173

■ 143, 186, 177

■ 161, 186, 181

■ 180, 186, 185

■ 198, 186, 189

Harmonies

Analogous

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



109, 181, 114



31, 186, 154



0, 186, 196

Triad

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



31, 186, 154



154, 158, 241



229, 145, 100

Complementary

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



31, 186, 154



186, 31, 63

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.



244, 133, 135



31, 186, 154



208, 142, 215

Square

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



31, 186, 154



72, 172, 247



237, 132, 177



199, 160, 82

Rectangle

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



31, 186, 154



0, 184, 221



237, 132, 177



236, 140, 111

Sweetspot

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



31, 186, 154



182, 242, 230



65, 186, 31



86, 122, 115



250, 250, 250



122, 122, 122

Same Dimension

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



31, 186, 154



0, 242, 192



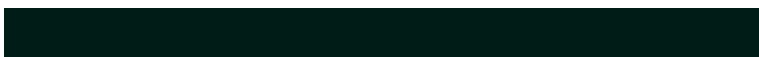
31, 142, 186



83, 92, 90



0, 156, 123



0, 28, 22

Inverse Universe

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



186, 31, 63



242, 0, 50



186, 75, 31



92, 83, 85



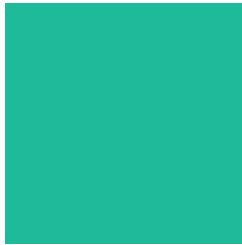
156, 0, 32



28, 0, 6

Previews

White Background



This preview shows how the RGB color 31, 186, 154 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 31, 186, 154 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

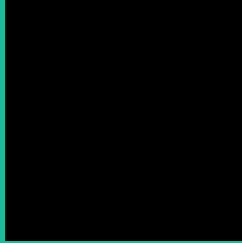
Any Text WCAG AA ✓ Pass

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 31, 186, 154 Background



This preview shows how black text looks on a background with the RGB color 31, 186, 154.



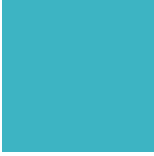
This preview shows how white text looks on a background with the RGB color 31, 186, 154.

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
61, 180, 195

Trichromacy



Original Color

31, 186, 154



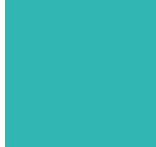
Protanomaly

121, 171, 146



Deuteranomaly

126, 169, 158



Tritanomaly

50, 182, 180

Monochromacy



Original Color

31, 186, 154



Achromatopsia

136, 136, 136



Achromatomaly

98, 154, 143

CSS Examples

Text

The CSS property to change the color of the text to RGB 31, 186, 154 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(31, 186, 154)` looks like.

```
.text, #text, p{  
    color:rgb(31, 186, 154)  
}
```

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(31, 186, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 186, 154) }
```

Border

The CSS property to change the border of an element to RGB 31, 186, 154 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(31, 186, 154) }
```

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

```
.border{ border-color:rgb(31, 186, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 186, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 186, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 186, 154);  
box-shadow:4px 4px 4px 4px rgb(31, 186,  
154) }
```

Background

The CSS property to change the background color of an element to RGB 31, 186, 154 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 186, 154) }
```

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

```
.background{ background-color: rgb(31, 186,  
154) }
```

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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