

Converting Colors

XYZ(18.0549, 30.2712, 30.3700)

Have a look what the booklet for
XYZ(18.0549, 30.2712, 30.3700)
contains.

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Color

**XYZ(19.4454, 31.0788,
30.5651)**

Conversions

Conversions Part 1

Format	Color
Hex	00AB8E
RGB	0, 171, 142
RGB Percent	0%, 67%, 56%
CMY	0.9999, 0.3294, 0.4431
CMYK	1.00, 0.00, 0.17, 0.33
HSL	170°, 100%, 34%
HSV	170°, 100%, 67%
XYZ	19.4454, 31.0788, 30.5651
YIQ	116.5650, -92.6070, -45.2710

Conversions

Conversions Part 2

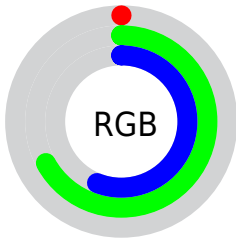
Format	Color
RYB	0, 93, 171
Decimal	43918
CIELab	62.57, -44.06, 4.52
CIELCh	63, 44.292, 174.145
Yxy	31.0788, 0.2398, 0.3833
Android (android.graphics.Color)	4278233998 (0xFF00AB8E)
YUV	116.5650, 12.5395, -102.2275
Hunter-Lab	55.7484, -35.2976, 6.5170

Details

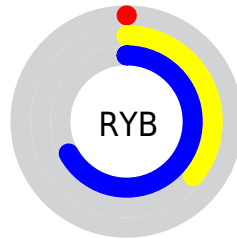
The XYZ color **19.4454, 31.0788, 30.5651** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **17.0175, 8.7475, 1.9554**, and the grayscale version is **16.7595, 17.6323, 19.2016**.

A 20% lighter version of the original color is **41.9471, 61.2508, 61.8363**, and **8.4102, 13.7296, 12.3320** is the 20% darker color. If you saturate the color by 10%, you get **19.4457, 31.0797, 30.5643**, and if you desaturate by 10%, it is **19.9000, 31.2884, 31.7388**.

Distribution



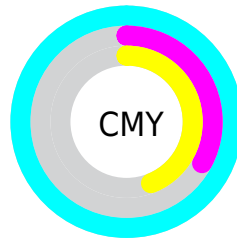
- Red (0%)
- Green (67%)
- Blue (56%)



- Red (0%)
- Yellow (36%)
- Blue (67%)



- Cyan (100%)
- Magenta (0%)
- Yellow (17%)
- Black (33%)



- Cyan (100%)
- Magenta (33%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.4454, 31.0788, 30.5651 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 XYZ color 19.4454, 31.0788, 30.5651 by changing the saturation by 10% instead.

■ 19.4454, 31.0788,
30.5651

■ 19.4454, 31.0788,
30.5651

■ 241.7879,
306.9012, 318.8186

■ 12.0985, 20.6589,
20.0122

■ 41.9965, 61.3641,
61.6262

■ 6.8834, 12.8749,
12.2198

■ 57.9313, 81.9983,
82.9716

■ 3.4350, 7.3424,
6.7692

■ 77.4595, 106.8060,
108.7515

■ 1.3878, 3.6772,
3.2419

■ 100.9463,
136.1716, 139.3845

■ 0.2475, 1.4947,
1.2194

■ 128.7573,
170.4795, 175.2892

■ 0.0000, 0.2850,
0.0000

■ 161.2576,

■ 0.0000, 0.0000,

210.1142, 216.8841

0.0000

198.8127,
255.4599, 264.5877

■ 19.4454, 31.0788,
30.5651

■ 19.4454, 31.0788,
30.5651

■ 19.4457, 31.0797,
30.5643

■ 19.9000, 31.2884,
31.7388

■ 20.5601, 31.6026,
32.9513

■ 21.5068, 32.0638,
34.2072

■ 22.7767, 32.6909,
35.5085

■ 24.4009, 33.5001,
36.8568

■ 26.4070, 34.5054,
38.2536

■ 28.8196, 35.7197,
39.7003

■ 31.6614, 37.1544,
41.1982

■ 34.9532, 38.8205,
42.7484

Harmonies

Analogous

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



21.1068, 31.0788, 17.8836



19.4454, 31.0788, 30.5651



20.1758, 31.0788, 49.3126

Triad

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



19.4454, 31.0788, 30.5651



34.5381, 31.0788, 74.0615



36.8611, 31.0788, 13.4371

Complementary

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



19.4454, 31.0788, 30.5651



17.0175, 8.7475, 1.9554

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.



41.4272, 31.0788, 21.9978



19.4454, 31.0788, 30.5651



39.9634, 31.0788, 57.2417

Square

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



19.4454, 31.0788, 30.5651



28.3728, 31.0788, 78.7603



42.6333, 31.0788, 37.3398



30.7376, 31.0788, 10.3962

Rectangle

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



19.4454, 31.0788, 30.5651



21.9792, 31.0788, 62.6195



42.6333, 31.0788, 37.3398



38.6607, 31.0788, 15.5872

Sweetspot

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



19.4463, 31.0800, 30.5658



51.3586, 63.8419, 70.9558



15.1398, 29.4239, 4.8821



11.0422, 14.0300, 15.5849



82.5889, 86.8899, 94.6231



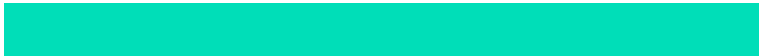
15.4596, 16.2647, 17.7123

Same Dimension

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



19.4463, 31.0800, 30.5658



34.7563, 55.6328, 54.3750



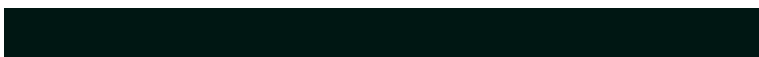
13.6961, 15.6302, 40.8245



8.1771, 9.0484, 9.9577



14.6756, 23.4355, 23.1290



0.4234, 0.6580, 0.7234

Inverse Universe

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



17.0175, 8.7475, 1.9554



30.4222, 15.6435, 3.2186



18.1222, 11.3121, 1.2289



8.0586, 8.0367, 8.6195



12.8418, 6.5993, 1.5463



0.3735, 0.1901, 0.1288

Previews

White Background



This preview shows how the XYZ color 19.4454, 31.0788, 30.5651 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 XYZ color 19.4454, 31.0788, 30.5651 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

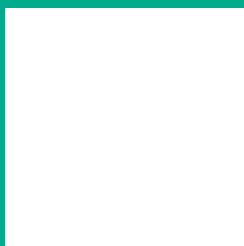
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.4454, 31.0788, 30.5651

Background



This preview shows how black text looks on a background with the XYZ color 19.4454, 31.0788, 30.5651.

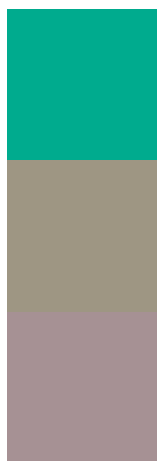


This preview shows how white text looks on a background with the XYZ color 19.4454, 31.0788,

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



Original Color

19.4454, 31.0788, 30.5651

Protanopia

29.1036, 30.7205, 25.8684

Deuteranopia

31.1966, 30.4959, 32.2590



Tritanopia

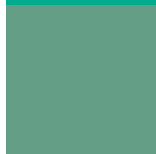
23.0395, 31.1801, 47.4519

Trichromacy



Original Color

19.4454, 31.0788, 30.5651



Protanomaly

21.9669, 28.9697, 27.3556



Deuteranomaly

22.6878, 28.2507, 31.4513



Tritanomaly

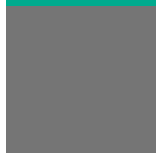
21.4506, 31.0497, 40.9390

Monochromacy



Original Color

19.4454, 31.0788, 30.5651



Achromatopsia

16.9083, 17.7888, 19.3720



Achromatomaly

15.5356, 20.8535, 22.9450

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.4454, 31.0788, 30.5651 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(0, 171, 142)` looks like.

```
.text, #text, p{  
    color:rgb(0, 171, 142)  
}
```

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(0, 171, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 171, 142) }
```

Border

The CSS property to change the border of an element to XYZ 19.4454, 31.0788, 30.5651 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(0, 171, 142) }
```


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

```
.border{ border-color:rgb(0, 171, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 171, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 171, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 171, 142);  
box-shadow:4px 4px 4px 4px rgb(0, 171,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 19.4454, 31.0788, 30.5651 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 171, 142) }
```

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

```
.background{ background-color: rgb(0, 171,  
142) }
```

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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