

Converting Colors

XYZ(15.4596, 29.4310, 28.8299)

Have a look what the booklet for
XYZ(15.4596, 29.4310, 28.8299)
contains.

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Color

**XYZ(19.3400, 31.3400,
29.0747)**

Conversions

Conversions Part 1

Format	Color
Hex	00AC8A
RGB	0, 172, 138
RGB Percent	0%, 67%, 54%
CMY	0.9999, 0.3255, 0.4588
CMYK	1.00, 0.00, 0.20, 0.33
HSL	168°, 100%, 34%
HSV	168°, 100%, 67%
XYZ	19.3400, 31.3400, 29.0747
YIQ	116.6960, -91.5980, -47.0380

Conversions

Conversions Part 2

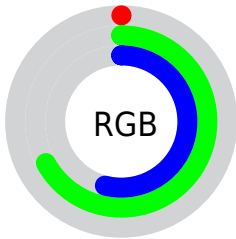
Format	Color
RYB	0, 95, 172
Decimal	44170
CIELab	62.79, -45.54, 7.06
CIELCh	63, 46.085, 171.186
Yxy	31.3400, 0.2425, 0.3930
Android (android.graphics.Color)	4278234250 (0xFF00AC8A)
YUV	116.6960, 10.5029, -102.3424
Hunter-Lab	55.9821, -36.3028, 8.3948

Details

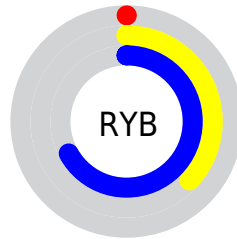
The XYZ color **19.3400, 31.3400, 29.0747** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **17.3032, 8.8871, 2.3186**, and the grayscale version is **16.8059, 17.6811, 19.2547**.

A 20% lighter version of the original color is **41.6616, 61.5755, 58.9797**, and **8.2399, 13.6614, 11.4352** is the 20% darker color. If you saturate the color by 10%, you get **19.3402, 31.3409, 29.0737**, and if you desaturate by 10%, it is **19.8259, 31.5624, 30.4037**.

Distribution



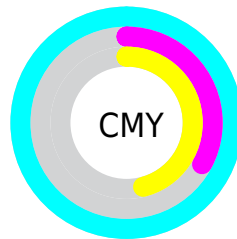
- Red (0%)
- Green (67%)
- Blue (54%)



- Red (0%)
- Yellow (37%)
- Blue (67%)



- Cyan (100%)
- Magenta (0%)
- Yellow (20%)
- Black (33%)





- Cyan (100%)
- Magenta (33%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.3400, 31.3400, 29.0747 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 19.3400, 31.3400, 29.0747 by changing the saturation by 10% instead.


 19.3400, 31.3400,
29.0747


 19.3400, 31.3400,
29.0747


241.2216,
308.1016, 311.6392


 12.0217, 20.8579,
18.8913


 41.8203, 61.7750,
59.2393


 6.8307, 13.0202,
11.4157


 57.7129, 82.4966,
80.0577


 3.4019, 7.4424,
6.2295


 77.1944, 107.4002,
105.2580

 1.3697, 3.7403,
2.9141

 100.6301,
136.8702, 135.2589

 0.2345, 1.5294,
1.0509

 128.3853,
171.2910, 170.4790

 0.0000, 0.3093,
0.0000

 160.8254,

 0.0000, 0.0000,

211.0468, 211.3367

0.0000

198.3157,
256.5223, 258.2506

■ 19.3400, 31.3400,
29.0747

■ 19.3400, 31.3400,
29.0747

■ 19.3402, 31.3409,
29.0737

■ 19.8259, 31.5624,
30.4037

■ 20.5224, 31.8916,
31.7824

■ 21.5113, 32.3707,
33.2158

■ 22.8299, 33.0189,
34.7059

■ 24.5098, 33.8524,
36.2546

■ 26.5789, 34.8855,
37.8635

■ 29.0622, 36.1313,
39.5342

■ 31.9827, 37.6015,
41.2679

■ 35.3617, 39.3072,
43.0661

Harmonies

Analogous

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



21.3032, 31.3400, 16.6572



19.3400, 31.3400, 29.0747



19.8516, 31.3400, 48.2761

Triad

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



19.3400, 31.3400, 29.0747



34.3885, 31.3400, 77.8260



38.0528, 31.3400, 13.5869

Complementary

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



19.3400, 31.3400, 29.0747



17.3032, 8.8871, 2.3186

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.



42.5848, 31.3400, 23.0491



19.3400, 31.3400, 29.0747



40.2702, 31.3400, 60.8470

Square

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



19.3400, 31.3400, 29.0747



27.9681, 31.3400, 81.2309



43.4490, 31.3400, 39.7263



31.6846, 31.3400, 10.0250

Rectangle

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



19.3400, 31.3400, 29.0747



21.5623, 31.3400, 62.4812



43.4490, 31.3400, 39.7263



39.8769, 31.3400, 15.9836

Sweetspot

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



19.3409, 31.3412, 29.0754



52.4528, 65.4104, 71.5485



15.4267, 29.8533, 4.9499



10.9841, 14.0067, 15.2785



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.



19.3409, 31.3412, 29.0754



35.0051, 56.8233, 52.3218



14.2127, 16.5103, 41.4688



8.1674, 9.0445, 9.9067



14.4114, 23.3298, 21.7381



0.4180, 0.6558, 0.6947

Inverse Universe

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



17.3032, 8.8871, 2.3186



31.3261, 16.0959, 3.8747



18.2249, 11.1929, 1.2006



8.0676, 8.0403, 8.6667



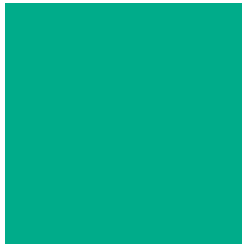
12.8917, 6.6192, 1.8094



0.3771, 0.1915, 0.1474

Previews

White Background



This preview shows how the XYZ color 19.3400, 31.3400, 29.0747 looks on a white background.

Color Contrast Check

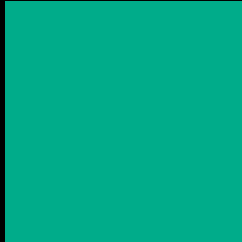
Large Text (above 18pt) WCAG AA × Fail

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 19.3400, 31.3400, 29.0747 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 19.3400, 31.3400, 29.0747

Background



This preview shows how black text looks on a background with the XYZ color 19.3400, 31.3400, 29.0747.

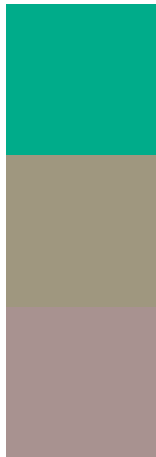


This preview shows how white text looks on a background with the XYZ color 19.3400, 31.3400,

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

19.3400, 31.3400, 29.0747

Protanopia

29.1954, 31.0365, 24.5305

Deuteranopia

31.4614, 30.8962, 30.6909



Tritanopia

23.2906, 31.2978, 47.9935

Trichromacy



Original Color

19.3400, 31.3400, 29.0747



Protanomaly

21.8617, 29.2017, 25.9570



Deuteranomaly

22.6672, 28.5215, 29.9017



Tritanomaly

21.4214, 31.0452, 40.4606

Monochromacy



Original Color

19.3400, 31.3400, 29.0747



Achromatopsia

16.9083, 17.7888, 19.3720



Achromatomaly

15.4714, 20.8278, 22.6068

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.3400, 31.3400, 29.0747 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, 172, 138)` looks like.

```
.text, #text, p{  
    color:rgb(0, 172, 138)  
}
```

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, 172, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 172, 138) }
```

Border

The CSS property to change the border of an element to XYZ 19.3400, 31.3400, 29.0747 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, 172, 138) }
```


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

```
.border{ border-color:rgb(0, 172, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 172, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 172, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 172, 138);  
box-shadow:4px 4px 4px 4px rgb(0, 172,  
138) }
```

Background

The CSS property to change the background color of an element to XYZ 19.3400, 31.3400, 29.0747 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 172, 138) }
```

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

```
.background{ background-color: rgb(0, 172,  
138) }
```

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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