

Converting Colors

XYZ(7.2303, 24.9749, 31.3653)

Have a look what the booklet for
XYZ(7.2303, 24.9749, 31.3653)
contains.

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Color

**XYZ(19.8634, 31.5494,
31.8308)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 00AC91 |
| RGB | 0, 172, 145 |
| RGB Percent | 0%, 67%, 57% |
| CMY | 0.9999, 0.3255, 0.4314 |
| CMYK | 1.00, 0.00, 0.16, 0.33 |
| HSL | 171°, 100%, 34% |
| HSV | 171°, 100%, 67% |
| XYZ | 19.8634, 31.5494, 31.8308 |
| YIQ | 117.4940, -93.8450, -44.8610 |

Conversions

Conversions Part 2

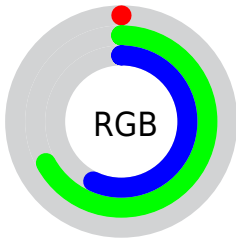
| Format | Color |
|-------------------------------------|--|
| RYB | 0, 93, 172 |
| Decimal | 44177 |
| CIELab | 62.97, -43.67, 3.42 |
| CIELCh | 63, 43.799, 175.527 |
| Yxy | 31.5494, 0.2386, 0.3790 |
| Android (android.graphics.Color) | 4278234257 (0xFF00AC91) |
| YUV | 117.4940, 13.5605, -103.0422 |
| Hunter-Lab | 56.1689, -35.1712, 5.7186 |

Details

The XYZ color **19.8634, 31.5494, 31.8308** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **17.2123, 8.8508, 1.8397**, and the grayscale version is **17.0447, 17.9323, 19.5283**.

A 20% lighter version of the original color is **42.6683, 61.9900, 63.7492**, and **8.6624, 14.0199, 13.0760** is the 20% darker color. If you saturate the color by 10%, you get **19.8637, 31.5503, 31.8299**, and if you desaturate by 10%, it is **20.3100, 31.7560, 32.9525**.

Distribution



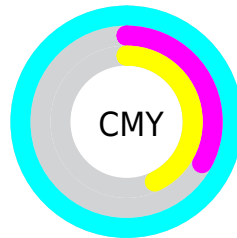
- Red (0%)
- Green (67%)
- Blue (57%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (16%)
- Black (33%)



- Cyan (100%)
- Magenta (33%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.8634, 31.5494, 31.8308 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 19.8634, 31.5494, 31.8308 by changing the saturation by 10% instead.

■ 19.8634, 31.5494,
31.8308

■ 19.8634, 31.5494,
31.8308

■ 244.0223,
309.0615, 324.8167

■ 12.4035, 21.0176,
20.9685

■ 42.6937, 62.1040,
63.6406

■ 7.0932, 13.1368,
12.9100

■ 58.7949, 82.8956,
85.4252

■ 3.5673, 7.5228,
7.2366

■ 78.5071, 107.8759,
111.6876

■ 1.4604, 3.7912,
3.5298

■ 102.1958,
137.4292, 142.8465

■ 0.2986, 1.5574,
1.3711

■ 130.2263,
171.9401, 179.3203

■ 0.0000, 0.3287,
0.1190

■ 162.9640,

■ 0.0000, 0.0000,

211.7928, 221.5275

0.0000

200.7742,
257.3718, 269.8868

■ 19.8634, 31.5494,
31.8308

■ 19.8634, 31.5494,
31.8308

■ 19.8637, 31.5503,
31.8299

■ 20.3100, 31.7560,
32.9525

■ 20.9643, 32.0684,
34.1093

■ 21.9083, 32.5296,
35.3057

■ 23.1791, 33.1586,
36.5439

■ 24.8083, 33.9718,
37.8254

■ 26.8237, 34.9835,
39.1516

■ 29.2504, 36.2066,
40.5239

■ 32.1113, 37.6531,
41.9437

■ 35.4277, 39.3337,
43.4119

Harmonies

Analogous

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



21.4203, 31.5494, 18.7966



19.8634, 31.5494, 31.8308



20.7070, 31.5494, 50.7105

Triad

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



19.8634, 31.5494, 31.8308



35.2569, 31.5494, 73.7924



37.0276, 31.5494, 13.6288

Complementary

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



19.8634, 31.5494, 31.8308



17.2123, 8.8508, 1.8397

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.



41.6924, 31.5494, 21.9544



19.8634, 31.5494, 31.8308



40.5779, 31.5494, 56.7407

Square

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



19.8634, 31.5494, 31.8308



29.0930, 31.5494, 79.1362



43.0711, 31.5494, 37.0028



30.8986, 31.5494, 10.7675

Rectangle

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



19.8634, 31.5494, 31.8308



22.5862, 31.5494, 63.8547



43.0711, 31.5494, 37.0028



38.8495, 31.5494, 15.7101

Sweetspot

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



19.8643, 31.5506, 31.8315



52.7995, 65.5491, 73.3743



15.2511, 29.7628, 4.9417



11.0686, 14.0405, 15.7238



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.



19.8643, 31.5506, 31.8315



35.9669, 57.2080, 57.3865



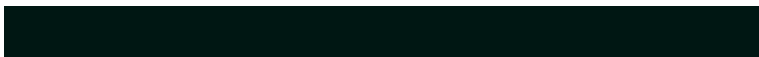
13.5409, 15.1667, 41.2449



8.1815, 9.0502, 9.9807



14.7979, 23.4844, 23.7732



0.4259, 0.6590, 0.7365

Inverse Universe

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



17.2123, 8.8508, 1.8397



31.1714, 16.0340, 3.0602



18.4945, 11.7321, 1.2905



8.0546, 8.0351, 8.5984



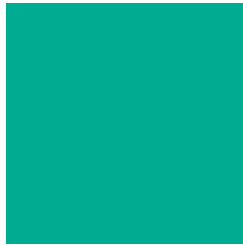
12.8216, 6.5912, 1.4401



0.3719, 0.1895, 0.1204

Previews

White Background



This preview shows how the XYZ color 19.8634, 31.5494, 31.8308 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 19.8634, 31.5494, 31.8308 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 19.8634, 31.5494, 31.8308

Background



This preview shows how black text looks on a background with the XYZ color 19.8634, 31.5494, 31.8308.

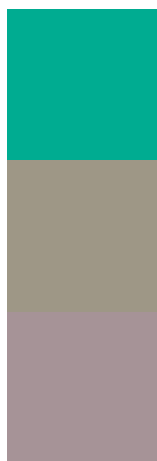


This preview shows how white text looks on a background with the XYZ color 19.8634, 31.5494,

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

19.8634, 31.5494, 31.8308

Protanopia

29.4702, 31.1235, 27.0085

Deuteranopia

31.7455, 31.2088, 33.6289



Tritanopia

23.4258, 31.6266, 48.5859

Trichromacy



Original Color

19.8634, 31.5494, 31.8308

Protanomaly

22.3524, 29.3980, 28.5410

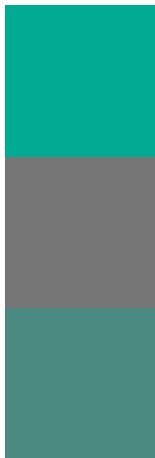
Deuteranomaly

23.2571, 29.0110, 32.8077

Tritanomaly

21.8209, 31.4944, 41.9747

Monochromacy



Original Color

19.8634, 31.5494, 31.8308

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

15.8864, 21.2313, 23.6828

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.8634, 31.5494, 31.8308 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, 145)` looks like.

```
.text, #text, p{  
    color:rgb(0, 172, 145)  
}
```

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, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 172, 145) }
```

Border

The CSS property to change the border of an element to XYZ 19.8634, 31.5494, 31.8308 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, 145) }
```


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

```
.border{ border-color:rgb(0, 172, 145) }
```

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, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 172, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 172, 145);  
box-shadow:4px 4px 4px 4px rgb(0, 172,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 19.8634, 31.5494, 31.8308 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, 145) }
```

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

```
.background{ background-color: rgb(0, 172,  
145) }
```

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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