

Converting Colors

XYZ(19.8452, 31.1943, 32.8059)

Have a look what the booklet for
XYZ(19.8452, 31.1943, 32.8059)
contains.

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Color

**XYZ(19.9082, 31.2639,
33.0022)**

Conversions

Conversions Part 1

Format	Color
Hex	00AB94
RGB	0, 171, 148
RGB Percent	0%, 67%, 58%
CMY	0.9999, 0.3294, 0.4196
CMYK	1.00, 0.00, 0.13, 0.33
HSL	172°, 100%, 34%
HSV	172°, 100%, 67%
XYZ	19.9082, 31.2639, 33.0022
YIQ	117.2490, -94.5330, -43.4050

Conversions

Conversions Part 2

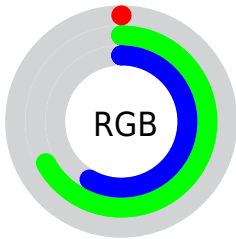
Format	Color
RYB	0, 92, 171
Decimal	43924
CIELab	62.73, -42.41, 1.40
CIELCh	63, 42.436, 178.116
Yxy	31.2639, 0.2365, 0.3714
Android (android.graphics.Color)	4278234004 (0xFF00AB94)
YUV	117.2490, 15.1602, -102.8274
Hunter-Lab	55.9141, -34.2949, 4.1452

Details

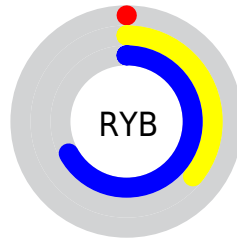
The XYZ color **19.9082, 31.2639, 33.0022** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **16.9503, 8.7207, 1.6019**, and the grayscale version is **16.9638, 17.8472, 19.4356**.

A 20% lighter version of the original color is **42.7458, 61.5821, 65.5107**, and **8.6361, 13.8199, 13.5216** is the 20% darker color. If you saturate the color by 10%, you get **19.9085, 31.2648, 33.0015**, and if you desaturate by 10%, it is **20.3262, 31.4588, 33.9826**.

Distribution



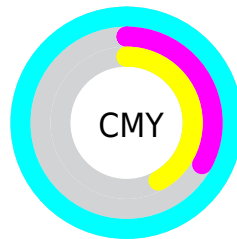
- Red (0%)
- Green (67%)
- Blue (58%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (13%)
- Black (33%)





- Cyan (100%)
- Magenta (33%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.9082, 31.2639, 33.0022 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 19.9082, 31.2639, 33.0022 by changing the saturation by 10% instead.


 19.9082, 31.2639,
33.0022


 19.9082, 31.2639,
33.0022

244.2608,
307.7523, 330.2920


 12.4362, 20.7999,
21.8570

 42.7683, 61.6553,
65.4950


 7.1158, 12.9778,
13.5546


 58.8872, 82.3515,
87.6797


 3.5816, 7.4133,
7.6763


 78.6191, 107.2272,
114.3813

 1.4683, 3.7219,
3.8037

 102.3293,
136.6668, 146.0184

 0.3041, 1.5192,
1.5183

 130.3832,
171.0547, 183.0094

 0.0000, 0.3022,
0.2315

 163.1462,

 0.0000, 0.0000,

210.7754, 225.7730

0.0000

200.9836,
256.2131, 274.7277

■ 19.9082, 31.2639,
33.0022

■ 19.9082, 31.2639,
33.0022

■ 19.9085, 31.2648,
33.0015

■ 20.3262, 31.4588,
33.9826

■ 20.9475, 31.7575,
34.9908

■ 21.8533, 32.2024,
36.0314

■ 23.0802, 32.8123,
37.1062

■ 24.6594, 33.6035,
38.2169

■ 26.6183, 34.5900,
39.3647

■ 28.9815, 35.7844,
40.5510

■ 31.7717, 37.1986,
41.7769

■ 35.0097, 38.8432,
43.0435

Harmonies

Analogous

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



21.2192, 31.2639, 19.8089



19.9082, 31.2639, 33.0022



20.9277, 31.2639, 51.4120

Triad

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



19.9082, 31.2639, 33.0022



35.2845, 31.2639, 70.6779



36.0011, 31.2639, 13.4914

Complementary

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



19.9082, 31.2639, 33.0022



16.9503, 8.7207, 1.6019

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.



40.6719, 31.2639, 21.1033



19.9082, 31.2639, 33.0022



40.2218, 31.2639, 53.8425

Square

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



19.9082, 31.2639, 33.0022



29.3504, 31.2639, 76.9586



42.3076, 31.2639, 35.1015



30.0834, 31.2639, 11.0638

Rectangle

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



19.9082, 31.2639, 33.0022



22.8770, 31.2639, 63.7715



42.3076, 31.2639, 35.1015



37.7965, 31.2639, 15.3750

Sweetspot

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



19.9091, 31.2651, 33.0029



51.6528, 63.9595, 72.5050



14.9812, 29.3421, 4.8747



11.1160, 14.0595, 15.9734



82.5889, 86.8899, 94.6231



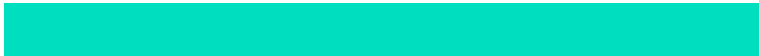
15.4596, 16.2647, 17.7123

Same Dimension

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



19.9091, 31.2651, 33.0029



35.5964, 55.9689, 58.7990



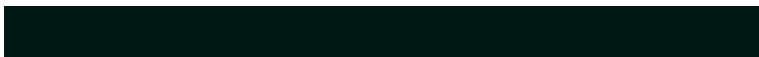
13.0532, 14.3444, 40.6101



8.1893, 9.0533, 10.0217



15.0217, 23.5740, 24.9517



0.4305, 0.6608, 0.7603

Inverse Universe

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



16.9503, 8.7207, 1.6019



30.3106, 15.5989, 2.6313



18.4042, 11.8761, 1.3230



8.0475, 8.0322, 8.5609



12.7891, 6.5782, 1.2687



0.3691, 0.1883, 0.1056

Previews

White Background



This preview shows how the XYZ color 19.9082, 31.2639, 33.0022 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 19.9082, 31.2639, 33.0022 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

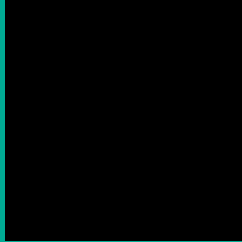
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 19.9082, 31.2639, 33.0022

Background



This preview shows how black text looks on a background with the XYZ color 19.9082, 31.2639, 33.0022.

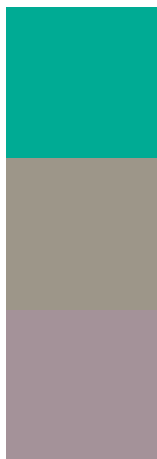


This preview shows how white text looks on a background with the XYZ color 19.9082, 31.2639,

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

19.9082, 31.2639, 33.0022

Protanopia

29.3263, 30.7869, 28.0637

Deuteranopia

31.3385, 30.7502, 34.4207



Tritanopia

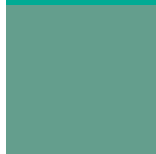
23.0467, 31.1721, 47.9821

Trichromacy



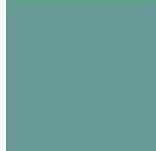
Original Color

19.9082, 31.2639, 33.0022



Protanomaly

22.2901, 29.0861, 29.6387



Deuteranomaly

23.0162, 28.6201, 33.5893



Tritanomaly

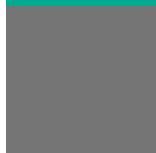
21.6059, 31.1084, 41.9116

Monochromacy



Original Color

19.9082, 31.2639, 33.0022



Achromatopsia

16.9083, 17.7888, 19.3720



Achromatomaly

15.6660, 20.9057, 23.6316

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.9082, 31.2639, 33.0022 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, 148)` looks like.

```
.text, #text, p{  
    color:rgb(0, 171, 148)  
}
```

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, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 171, 148) }
```

Border

The CSS property to change the border of an element to XYZ 19.9082, 31.2639, 33.0022 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, 148) }
```


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

```
.border{ border-color:rgb(0, 171, 148) }
```

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, 148) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 171, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 171, 148);  
box-shadow:4px 4px 4px 4px rgb(0, 171,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 19.9082, 31.2639, 33.0022 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, 148) }
```

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

```
.background{ background-color: rgb(0, 171,  
148) }
```

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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