

Converting Colors

XYZ(19.6050, 32.0643, 28.5646)

Have a look what the booklet for
XYZ(19.6050, 32.0643, 28.5646)
contains.

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Color

**XYZ(19.5800, 32.0497,
28.4468)**

Conversions

Conversions Part 1

Format	Color
Hex	00AE88
RGB	0, 174, 136
RGB Percent	0%, 68%, 53%
CMY	0.9999, 0.3176, 0.4667
CMYK	1.00, 0.00, 0.22, 0.32
HSL	167°, 100%, 34%
HSV	167°, 100%, 68%
XYZ	19.5800, 32.0497, 28.4468
YIQ	117.6420, -91.5060, -48.7060

Conversions

Conversions Part 2

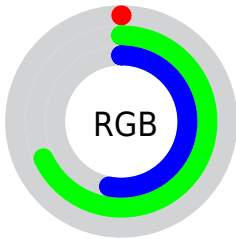
Format	Color
RYB	0, 98, 174
Decimal	44680
CIELab	63.38, -46.87, 9.01
CIELCh	63, 47.732, 169.116
Yxy	32.0497, 0.2445, 0.4002
Android (android.graphics.Color)	4278234760 (0xFF00AE88)
YUV	117.6420, 9.0505, -103.1720
Hunter-Lab	56.6125, -37.3357, 9.8365

Details

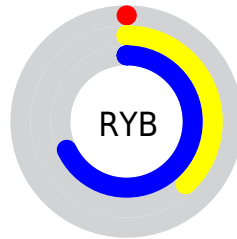
The XYZ color **19.5800, 32.0497, 28.4468** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **17.8066, 9.1395, 2.6610**, and the grayscale version is **17.1033, 17.9940, 19.5955**.

A 20% lighter version of the original color is **42.0982, 62.6474, 58.0175**, and **8.3962, 14.1048, 11.0841** is the 20% darker color. If you saturate the color by 10%, you get **19.5804, 32.0507, 28.4460**, and if you desaturate by 10%, it is **20.0944, 32.2839, 29.9068**.

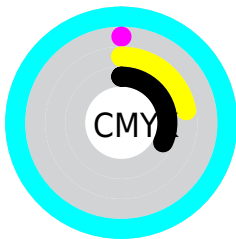
Distribution



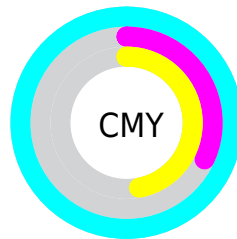
- Red (0%)
- Green (68%)
- Blue (53%)



- Red (0%)
- Yellow (38%)
- Blue (68%)



- Cyan (100%)
- Magenta (0%)
- Yellow (22%)
- Black (32%)





- Cyan (100%)
- Magenta (32%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 19.5800, 32.0497, 28.4468 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 19.5800, 32.0497, 28.4468 by changing the saturation by 10% instead.


 19.5800, 32.0497,
28.4468

 19.5800, 32.0497,
28.4468


242.5094,
311.3456, 308.5746


 12.1966, 21.3995,
18.4208


 42.2212, 62.8890,
58.2287


 6.9509, 13.4163,
11.0799


 58.2098, 83.8468,
78.8216


 3.4774, 7.7158,
6.0058


 77.7974, 109.0093,
103.7738

 1.4110, 3.9137,
2.7797

 101.3495,
138.7609, 133.5040

 0.2640, 1.6254,
0.9833

 129.2314,
173.4859, 168.4306

 0.0000, 0.3746,
0.0000

 161.8084,

 0.0000, 0.0000,

213.5688, 208.9722

0.0000

199.4460,
259.3939, 255.5474

■ 19.5800, 32.0497,
28.4468

■ 19.5800, 32.0497,
28.4468

■ 19.5804, 32.0507,
28.4460

■ 20.0944, 32.2839,
29.9068

■ 20.8273, 32.6289,
31.4269

■ 21.8623, 33.1284,
33.0121

■ 23.2375, 33.8022,
34.6647

■ 24.9857, 34.6671,
36.3868

■ 27.1356, 35.7379,
38.1801

■ 29.7129, 37.0279,
40.0463

■ 32.7413, 38.5493,
41.9870

■ 36.2427, 40.3134,
44.0037

Harmonies

Analogous

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



21.8049, 32.0497, 16.0395



19.5800, 32.0497, 28.4468



19.9349, 32.0497, 48.2705

Triad

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



19.5800, 32.0497, 28.4468



34.8307, 32.0497, 82.0091



39.5914, 32.0497, 13.9320

Complementary

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



19.5800, 32.0497, 28.4468



17.8066, 9.1395, 2.6610

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.



44.1649, 32.0497, 24.2538



19.5800, 32.0497, 28.4468



41.1526, 32.0497, 64.6634

Square

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



19.5800, 32.0497, 28.4468



28.1180, 32.0497, 84.4303



44.7744, 32.0497, 42.2545



32.9334, 32.0497, 9.9204

Rectangle

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



19.5800, 32.0497, 28.4468



21.6032, 32.0497, 63.3701



44.7744, 32.0497, 42.2545



41.4624, 32.0497, 16.5590

Sweetspot

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



19.5809, 32.0509, 28.4476



53.6204, 67.0254, 72.4507



16.0359, 30.7368, 5.0882



11.4707, 14.6732, 15.7890



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



19.5809, 32.0509, 28.4476



35.4292, 58.1003, 51.1410



15.3085, 18.3923, 42.7891



8.1603, 9.0417, 9.8692



14.2239, 23.2548, 20.7507



0.4141, 0.6543, 0.6740

Inverse Universe

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



17.8066, 9.1395, 2.6610



32.2293, 16.5494, 4.4649



18.4496, 10.9856, 1.1486



8.0742, 8.0429, 8.7015



12.9332, 6.6358, 2.0278



0.3797, 0.1926, 0.1611

Previews

White Background



This preview shows how the XYZ color 19.5800, 32.0497, 28.4468 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 19.5800, 32.0497, 28.4468 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 19.5800, 32.0497, 28.4468

Background



This preview shows how black text looks on a background with the XYZ color 19.5800, 32.0497, 28.4468.



This preview shows how white text looks on a background with the XYZ color 19.5800, 32.0497,

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

19.5800, 32.0497, 28.4468

Protanopia

29.6278, 31.5142, 23.9233

Deuteranopia

32.1108, 31.4784, 29.9747



Tritanopia

23.9675, 32.1669, 49.2016

Trichromacy



Original Color

19.5800, 32.0497, 28.4468



Protanomaly

22.0127, 29.5514, 25.3127



Deuteranomaly

23.0973, 29.2586, 29.2411



Tritanomaly

21.8259, 31.8061, 40.5862

Monochromacy



Original Color

19.5800, 32.0497, 28.4468



Achromatopsia

17.2197, 18.1164, 19.7288



Achromatomaly

15.6918, 21.1535, 22.6580

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.5800, 32.0497, 28.4468 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, 174, 136)` looks like.

```
.text, #text, p{  
    color:rgb(0, 174, 136)  
}
```

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, 174, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 174, 136) }
```

Border

The CSS property to change the border of an element to XYZ 19.5800, 32.0497, 28.4468 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, 174, 136) }
```


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

```
.border{ border-color:rgb(0, 174, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 174, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 174, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 174, 136);  
box-shadow:4px 4px 4px 4px rgb(0, 174,  
136) }
```

Background

The CSS property to change the background color of an element to XYZ 19.5800, 32.0497, 28.4468 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 174, 136) }
```

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

```
.background{ background-color: rgb(0, 174,  
136) }
```

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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