

Converting Colors

XYZ(19.4493, 31.8224, 27.8762)

Have a look what the booklet for
XYZ(19.4493, 31.8224, 27.8762)
contains.

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Color

**XYZ(19.4044, 31.6816,
28.0141)**

Conversions

Conversions Part 1

Format	Color
Hex	07AD87
RGB	7, 173, 135
RGB Percent	3%, 68%, 53%
CMY	0.9725, 0.3216, 0.4706
CMYK	0.96, 0.00, 0.22, 0.32
HSL	166°, 92%, 35%
HSV	166°, 96%, 68%
XYZ	19.4044, 31.6816, 28.0141
YIQ	119.0340, -86.7380, -47.0100

Conversions

Conversions Part 2

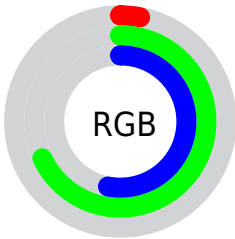
Format	Color
RYB	7, 101, 173
Decimal	503175
CIELab	63.08, -46.44, 9.14
CIELCh	63, 47.334, 168.869
Yxy	31.6816, 0.2453, 0.4005
Android (android.graphics.Color)	4278693255 (0xFF07AD87)
YUV	119.0340, 7.8712, -98.2538
Hunter-Lab	56.2864, -36.9644, 9.8915

Details

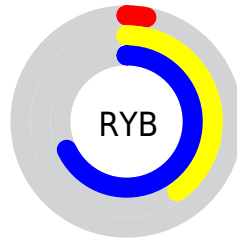
The XYZ color **19.4044, 31.6816, 28.0141** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **17.7845, 9.2266, 3.3285**, and the grayscale version is **17.5433, 18.4569, 20.0995**.

A 20% lighter version of the original color is **41.8157, 62.1024, 57.3600**, and **8.2365, 13.8495, 10.8334** is the 20% darker color. If you saturate the color by 10%, you get **19.2050, 31.5926, 27.4190**, and if you desaturate by 10%, it is **19.9859, 31.9493, 29.5251**.

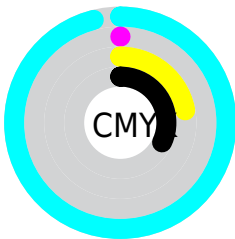
Distribution



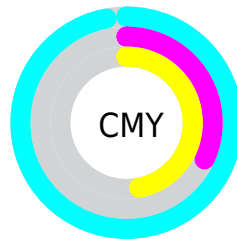
- Red (3%)
- Green (68%)
- Blue (53%)



- Red (3%)
- Yellow (40%)
- Blue (68%)



- Cyan (96%)
- Magenta (0%)
- Yellow (22%)
- Black (32%)





- Cyan (97%)
- Magenta (32%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 19.4044, 31.6816, 28.0141 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 19.4044, 31.6816, 28.0141 by changing the saturation by 10% instead.


 19.4044, 31.6816,
28.0141


 19.4044, 31.6816,
28.0141


241.5678,
309.6663, 306.4483


 12.0686, 21.1184,
18.0972


 41.9279, 62.3116,
57.5303


 6.8629, 13.2106,
10.8496


 57.8464, 83.1472,
77.9667


 3.4221, 7.5737,
5.8529


 77.3564, 108.1758,
102.7466

 1.3807, 3.8234,
2.6885

 100.8234,
137.7816, 132.2886

 0.2424, 1.5753,
0.9376

 128.6126,
172.3492, 167.0112

 0.0000, 0.3408,
0.0000

 161.0895,

 0.0000, 0.0000,

212.2629, 207.3330

0.0000

198.6195,
257.9071, 253.6726

■ 19.4044, 31.6816,
28.0141

■ 19.4044, 31.6816,
28.0141

■ 19.2050, 31.5926,
27.4190

■ 19.9859, 31.9493,
29.5251

■ 20.8357, 32.3534,
31.1028

■ 22.0005, 32.9186,
32.7505

■ 23.5156, 33.6632,
34.4704

■ 25.4115, 34.6028,
36.2646

■ 27.7152, 35.7514,
38.1348

■ 30.4512, 37.1216,
40.0828

■ 33.6422, 38.7250,
42.1100

■ 37.3092, 40.5725,
44.2180

Harmonies

Analogous

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



21.6173, 31.6816, 15.8490



19.4044, 31.6816, 28.0141



19.7331, 31.6816, 47.4683

Triad

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



19.4044, 31.6816, 28.0141



34.3544, 31.6816, 80.8850



39.1411, 31.6816, 13.8942

Complementary

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



19.4044, 31.6816, 28.0141



17.7845, 9.2266, 3.3285

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.



43.6115, 31.6816, 24.1325



19.4044, 31.6816, 28.0141



40.5841, 31.6816, 63.9368

Square

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



19.4044, 31.6816, 28.0141



27.7548, 31.6816, 83.1198



44.1748, 31.6816, 41.9075



32.5999, 31.6816, 9.8886

Rectangle

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



19.4044, 31.6816, 28.0141



21.3630, 31.6816, 62.3107



44.1748, 31.6816, 41.9075



40.9739, 31.6816, 16.5050

Sweetspot

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



19.4053, 31.6828, 28.0148



52.6965, 65.5590, 70.5240



16.0981, 30.4787, 5.2361



11.0173, 14.0297, 15.0144



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.



19.4053, 31.6828, 28.0148



34.3084, 56.5446, 48.6532



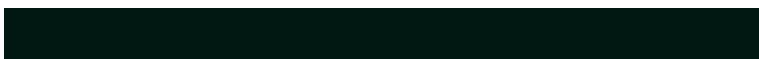
15.4472, 18.6949, 42.3309



8.1567, 9.0402, 9.8501



14.1309, 23.2177, 20.2611



0.4121, 0.6535, 0.6637

Inverse Universe

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



17.7845, 9.2266, 3.3285



31.4705, 16.1536, 4.6349



18.4689, 11.2924, 1.4079



8.0776, 8.0443, 8.7193



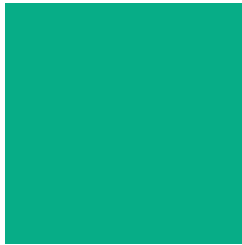
12.9559, 6.6449, 2.1470



0.3810, 0.1931, 0.1681

Previews

White Background



This preview shows how the XYZ color 19.4044, 31.6816, 28.0141 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 19.4044, 31.6816, 28.0141 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

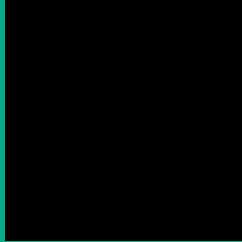
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 19.4044, 31.6816, 28.0141

Background



This preview shows how black text looks on a background with the XYZ color 19.4044, 31.6816, 28.0141.



This preview shows how white text looks on a background with the XYZ color 19.4044, 31.6816,

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

19.4044, 31.6816, 28.0141

Protanopia

29.2019, 31.0620, 23.5252

Deuteranopia

31.6642, 31.0269, 29.5192



Tritanopia

23.5783, 31.7170, 48.0593

Trichromacy



Original Color

19.4044, 31.6816, 28.0141



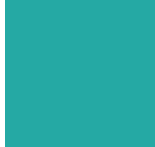
Protanomaly

22.0033, 29.2978, 24.9174



Deuteranomaly

23.1042, 29.0205, 28.8099



Tritanomaly

21.6518, 31.4496, 40.0512

Monochromacy



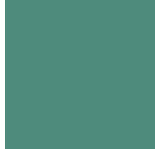
Original Color

19.4044, 31.6816, 28.0141



Achromatopsia

17.5343, 18.4475, 20.0893



Achromatomaly

16.0762, 21.5656, 22.7173

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.4044, 31.6816, 28.0141 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(7, 173, 135)` looks like.

```
.text, #text, p{  
    color:rgb(7, 173, 135)  
}
```

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(7, 173, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(7, 173, 135) }
```

Border

The CSS property to change the border of an element to XYZ 19.4044, 31.6816, 28.0141 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(7, 173, 135) }
```


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

```
.border{ border-color:rgb(7, 173, 135) }
```

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

Here you see how a box with a 4 pixel rgb(7, 173, 135) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(7, 173, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(7, 173, 135);  
box-shadow:4px 4px 4px 4px rgb(7, 173,  
135) }
```

Background

The CSS property to change the background color of an element to XYZ 19.4044, 31.6816, 28.0141 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(7, 173, 135) }
```

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

```
.background{ background-color: rgb(7, 173,  
135) }
```

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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