

Converting Colors

XYZ(16.5880, 30.7419, 19.6424)

Have a look what the booklet for
XYZ(16.5880, 30.7419, 19.6424)
contains.

XYZ(17.8964, 31.3762, 19.5810)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(17.8964, 31.3762,
19.5810)**

Conversions

Conversions Part 1

Format	Color
Hex	00AE6D
RGB	0, 174, 109
RGB Percent	0%, 68%, 43%
CMY	0.9999, 0.3176, 0.5725
CMYK	1.00, 0.00, 0.37, 0.32
HSL	158°, 100%, 34%
HSV	158°, 100%, 68%
XYZ	17.8964, 31.3762, 19.5810
YIQ	114.5640, -82.8390, -57.1030

Conversions

Conversions Part 2

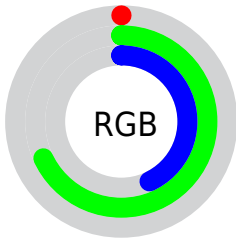
Format	Color
RYB	0, 107, 174
Decimal	44653
CIELab	62.82, -53.18, 23.01
CIELCh	63, 57.944, 156.599
Yxy	31.3762, 0.2599, 0.4557
Android (android.graphics.Color)	4278234733 (0xFF00AE6D)
YUV	114.5640, -2.7431, -100.4726
Hunter-Lab	56.0145, -40.9953, 18.4841

Details

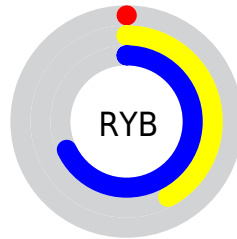
The XYZ color **17.8964, 31.3762, 19.5810** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **18.4110, 9.3812, 5.8440**, and the grayscale version is **16.1916, 17.0348, 18.5509**.

A 20% lighter version of the original color is **39.5231, 62.0522, 43.6124**, and **7.5588, 13.7699, 6.6743** is the 20% darker color. If you saturate the color by 10%, you get **17.8967, 31.3772, 19.5800**, and if you desaturate by 10%, it is **18.4988, 31.6456, 21.5050**.

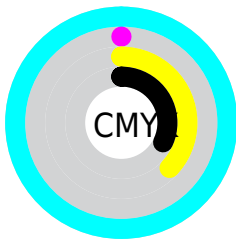
Distribution



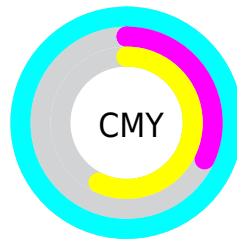
- Red (0%)
- Green (68%)
- Blue (43%)



- Red (0%)
- Yellow (42%)
- Blue (68%)



- Cyan (100%)
- Magenta (0%)
- Yellow (37%)
- Black (32%)



- Cyan (100%)
- Magenta (32%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.8964, 31.3762, 19.5810 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 17.8964, 31.3762, 19.5810 by changing the saturation by 10% instead.

■ 17.8964, 31.3762,
19.5810

■ 17.8964, 31.3762,
19.5810

■ 233.3433,
308.2677, 262.1665

■ 10.9749, 20.8855,
11.9098

■ 39.3922, 61.8319,
43.5633

■ 6.1171, 13.0403,
6.5605

■ 54.6971, 82.5656,
60.7114

■ 2.9578, 7.4563,
3.1145

■ 73.5273, 107.4825,
81.8556

■ 1.1315, 3.7491,
1.1534

■ 96.2480, 136.9669,
107.4144

■ 0.0512, 1.5342,
0.0000

■ 123.2246,
171.4033, 137.8064

■ 0.0000, 0.3126,
0.0000

■ 154.8224,

■ 0.0000, 0.0000,

211.1759, 173.4500

0.0000

191.4069,
256.6693, 214.7639

■ 17.8964, 31.3762,
19.5810

■ 17.8964, 31.3762,
19.5810

■ 17.8967, 31.3772,
19.5800

■ 18.4988, 31.6456,
21.5050

■ 19.3366, 32.0325,
23.5772

■ 20.4935, 32.5808,
25.8051

■ 22.0084, 33.3105,
28.1930

■ 23.9141, 34.2384,
30.7452

■ 26.2399, 35.3796,
33.4655

■ 29.0119, 36.7475,
36.3575

■ 32.2542, 38.3544,
39.4248

■ 35.9891, 40.2118,
42.6708

Harmonies

Analogous

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



21.6187, 31.3762, 9.7196



17.8964, 31.3762, 19.5810



17.0879, 31.3762, 39.4352

Triad

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



17.8964, 31.3762, 19.5810



31.6102, 31.3762, 98.5531



43.8256, 31.3762, 14.1717

Complementary

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



17.8964, 31.3762, 19.5810



18.4110, 9.3812, 5.8440

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.



47.6921, 31.3762, 29.3836



17.8964, 31.3762, 19.5810



39.8756, 31.3762, 82.6242

Square

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



17.8964, 31.3762, 19.5810



24.1633, 31.3762, 92.0066



46.1314, 31.3762, 54.6235



36.3019, 31.3762, 7.7051

Rectangle

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



17.8964, 31.3762, 19.5810



18.1537, 31.3762, 57.7017



46.1314, 31.3762, 54.6235



45.6517, 31.3762, 18.0952

Sweetspot

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



17.8972, 31.3774, 19.5817



52.3299, 66.5092, 65.6552



17.4317, 31.4563, 5.1534



11.1507, 14.5452, 14.1037



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.



17.8972, 31.3774, 19.5817



32.3501, 56.8687, 34.9268



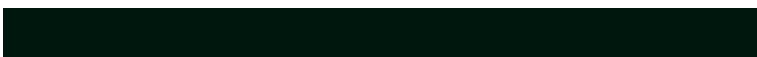
19.1473, 26.0699, 44.0686



8.1075, 9.0206, 9.5911



13.0096, 22.7691, 14.3560



0.3872, 0.6435, 0.5328

Inverse Universe

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



18.4110, 9.3812, 5.8440



33.2941, 16.9753, 10.0720



17.7120, 9.5105, 0.9027



8.1244, 8.0630, 8.9657



13.3796, 6.8144, 4.3782



0.3992, 0.2004, 0.2638

Previews

White Background



This preview shows how the XYZ color 17.8964, 31.3762, 19.5810 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 17.8964, 31.3762, 19.5810 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 17.8964, 31.3762, 19.5810

Background



This preview shows how black text looks on a background with the XYZ color 17.8964, 31.3762, 19.5810.



This preview shows how white text looks on a background with the XYZ color 17.8964, 31.3762,

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

17.8964, 31.3762, 19.5810

Protanopia

28.6286, 30.9266, 16.2649

Deuteranopia

31.4092, 30.8589, 20.8239



Tritanopia

23.7595, 31.5512, 47.4856

Trichromacy



Original Color

17.8964, 31.3762, 19.5810



Protanomaly

20.5552, 28.7186, 17.2918



Deuteranomaly

21.6792, 28.4799, 19.9773



Tritanomaly

20.8574, 31.1404, 35.4832

Monochromacy



Original Color

17.8964, 31.3762, 19.5810



Achromatopsia

16.2955, 17.1441, 18.6699



Achromatomaly

14.5324, 20.2170, 18.7591

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.8964, 31.3762, 19.5810 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, 109)` looks like.

```
.text, #text, p{  
    color:rgb(0, 174, 109)  
}
```

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, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 174, 109) }
```

Border

The CSS property to change the border of an element to XYZ 17.8964, 31.3762, 19.5810 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, 109) }
```


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

```
.border{ border-color:rgb(0, 174, 109) }
```

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, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 174, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 174, 109);  
box-shadow:4px 4px 4px 4px rgb(0, 174,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 17.8964, 31.3762, 19.5810 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, 109) }
```

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

```
.background{ background-color: rgb(0, 174,  
109) }
```

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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