

Converting Colors

XYZ(9.8628, 15.7325, 18.5212)

Have a look what the booklet for
XYZ(9.8628, 15.7325, 18.5212)
contains.

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Color

**XYZ(10.4981, 16.1366,
18.4810)**

Conversions

Conversions Part 1

Format	Color
Hex	007E72
RGB	0, 126, 114
RGB Percent	0%, 49%, 45%
CMY	1.0000, 0.5059, 0.5529
CMYK	1.00, 0.00, 0.10, 0.51
HSL	174°, 100%, 25%
HSV	174°, 100%, 49%
XYZ	10.4981, 16.1366, 18.4810
YIQ	86.9580, -71.2440, -30.4440

Conversions

Conversions Part 2

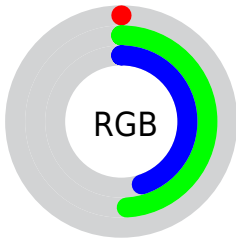
Format	Color
RYB	0, 66, 126
Decimal	32370
CIELab	47.15, -32.31, -1.85
CIELCh	47, 32.367, 183.277
Yxy	16.1366, 0.2327, 0.3577
Android (android.graphics.Color)	4278222450 (0xFF007E72)
YUV	86.9580, 13.3317, -76.2622
Hunter-Lab	40.1704, -23.6491, 0.8420

Details

The XYZ color **10.4981, 16.1366, 18.4810** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **8.6710, 4.4626, 0.7526**, and the grayscale version is **9.0342, 9.5046, 10.3505**.

A 20% lighter version of the original color is **26.3113, 36.6988, 41.7732**, and **3.5678, 5.5622, 6.0398** is the 20% darker color. If you saturate the color by 10%, you get **10.4984, 16.1371, 18.4811**, and if you desaturate by 10%, it is **10.7275, 16.2473, 18.8511**.

Distribution



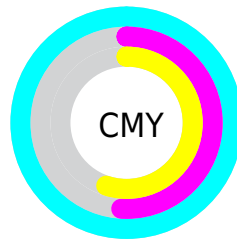
- Red (0%)
- Green (49%)
- Blue (45%)



- Red (0%)
- Yellow (26%)
- Blue (49%)



- Cyan (100%)
- Magenta (0%)
- Yellow (10%)
- Black (51%)



- Cyan (100%)
- Magenta (51%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.4981, 16.1366, 18.4810 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 10.4981, 16.1366, 18.4810 by changing the saturation by 10% instead.

10.4981, 16.1366,
18.4810

10.4981, 16.1366,
18.4810

188.1714,
230.1464, 255.8949

5.7952, 9.6209,
11.1229

26.3695, 36.8352,
41.6802

2.7604, 5.1483,
6.0343

38.2688, 51.7868,
58.3583

1.0284, 2.3345,
2.7968

53.2975, 70.3192,
78.9802

0.0000, 0.7919,
0.9919

71.8212, 92.8168,
103.9644

0.0000, 0.0000,
0.0000

94.2050, 119.6639,
133.7295

120.8144,

151.2449, 168.6939

152.0147,
187.9443, 209.2762

■ 10.4981, 16.1366,
18.4810

■ 10.4981, 16.1366,
18.4810

■ 10.4984, 16.1371,
18.4811

■ 10.7275, 16.2473,
18.8511

■ 11.0430, 16.4019,
19.2296

■ 11.4999, 16.6293,
19.6194

■ 12.1148, 16.9380,
20.0213

■ 12.9021, 17.3355,
20.4360

■ 13.8745, 17.8283,
20.8642

■ 15.0436, 18.4224,
21.3064

■ 16.4200, 19.1233,
21.7630

■ 18.0135, 19.9360,
22.2347

Harmonies

Analogous

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



10.9514, 16.1366, 11.4242



10.4981, 16.1366, 18.4810



11.2031, 16.1366, 27.6455

Triad

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



10.4981, 16.1366, 18.4810



18.5393, 16.1366, 34.1941



17.9314, 16.1366, 6.9621

Complementary

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



10.4981, 16.1366, 18.4810



8.6710, 4.4626, 0.7526

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.



20.3809, 16.1366, 10.2989



10.4981, 16.1366, 18.4810



20.7613, 16.1366, 25.5994

Square

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



10.4981, 16.1366, 18.4810



15.6522, 16.1366, 38.3142



21.4734, 16.1366, 16.6895



15.0267, 16.1366, 6.1104

Rectangle

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



10.4981, 16.1366, 18.4810



12.2931, 16.1366, 33.3586



21.4734, 16.1366, 16.6895



18.8468, 16.1366, 7.7659

Sweetspot

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



10.4986, 16.1372, 18.4814



26.3213, 32.3461, 37.4465



7.6215, 15.0049, 2.4949



5.8190, 7.2721, 8.4563



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



10.4986, 16.1372, 18.4814



18.4507, 28.3927, 32.3819



6.3235, 6.6212, 20.6841



4.4293, 4.8801, 5.4321



10.7691, 16.5542, 18.9548



0.0000, 0.0000, 0.0000

Inverse Universe

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



8.6710, 4.4626, 0.7526



15.2354, 7.8437, 1.1836



9.7626, 6.7520, 0.7890



4.3431, 4.3504, 4.6114



8.8943, 4.5774, 0.7672



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 10.4981, 16.1366, 18.4810 looks on a white 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 × Fail

Black Background



This preview shows how the XYZ color 10.4981, 16.1366, 18.4810 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 10.4981, 16.1366, 18.4810

Background



This preview shows how black text looks on a background with the XYZ color 10.4981, 16.1366, 18.4810.

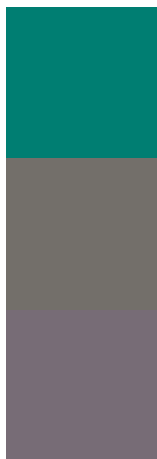


This preview shows how white text looks on a background with the XYZ color 10.4981, 16.1366,

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

10.4981, 16.1366, 18.4810

Protanopia

15.3562, 16.0543, 15.9251

Deuteranopia

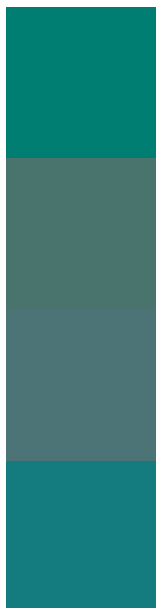
16.2403, 15.9551, 19.3632



Tritanopia

11.9123, 16.1664, 24.6829

Trichromacy



Original Color

10.4981, 16.1366, 18.4810

Protanomaly

11.7534, 15.0114, 16.7460

Deuteranomaly

12.3221, 15.0823, 19.0914

Tritanomaly

11.2620, 16.0704, 22.2470

Monochromacy



Original Color

10.4981, 16.1366, 18.4810

Achromatopsia

9.0590, 9.5307, 10.3790

Achromatomaly

8.3869, 10.9827, 12.9871

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.4981, 16.1366, 18.4810 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, 126, 114)` looks like.

```
.text, #text, p{  
    color:rgb(0, 126, 114)  
}
```

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, 126, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 126, 114) }
```

Border

The CSS property to change the border of an element to XYZ 10.4981, 16.1366, 18.4810 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, 126, 114) }
```


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

```
.border{ border-color:rgb(0, 126, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 126, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 126, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 126, 114);  
box-shadow:4px 4px 4px 4px rgb(0, 126,  
114) }
```

Background

The CSS property to change the background color of an element to XYZ 10.4981, 16.1366, 18.4810 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 126, 114) }
```

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

```
.background{ background-color: rgb(0, 126,  
114) }
```

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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