

Converting Colors

XYZ(7.4621, 13.6220, 19.4598)

Have a look what the booklet for
XYZ(7.4621, 13.6220, 19.4598)
contains.

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Color

**XYZ(10.1074, 14.9828,
19.4988)**

Conversions

Conversions Part 1

Format	Color
Hex	007976
RGB	0, 121, 118
RGB Percent	0%, 47%, 46%
CMY	1.0000, 0.5255, 0.5373
CMYK	1.00, 0.00, 0.02, 0.53
HSL	179°, 100%, 24%
HSV	179°, 100%, 47%
XYZ	10.1074, 14.9828, 19.4988
YIQ	84.4790, -71.1530, -26.5850

Conversions

Conversions Part 2

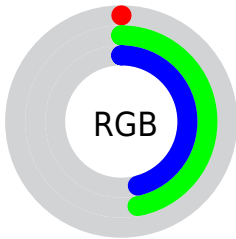
Format	Color
RYB	0, 61, 121
Decimal	31094
CIELab	45.61, -28.68, -6.51
CIElCh	46, 29.407, 192.783
Yxy	14.9828, 0.2267, 0.3360
Android (android.graphics.Color)	4278221174 (0xFF007976)
YUV	84.4790, 16.5259, -74.0881
Hunter-Lab	38.7076, -21.1281, -2.7718

Details

The XYZ color **10.1074, 14.9828, 19.4988** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **7.9021, 4.0720, 0.4560**, and the grayscale version is **8.5043, 8.9472, 9.7435**.

A 20% lighter version of the original color is **25.7000, 34.8799, 43.4082**, and **3.4229, 5.0769, 6.5939** is the 20% darker color. If you saturate the color by 10%, you get **10.1077, 14.9833, 19.4991**, and if you desaturate by 10%, it is **10.2788, 15.0694, 19.6004**.

Distribution



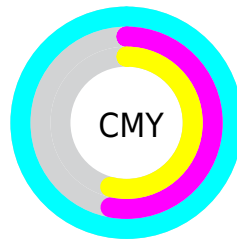
- Red (0%)
- Green (47%)
- Blue (46%)



- Red (0%)
- Yellow (24%)
- Blue (47%)



- Cyan (100%)
- Magenta (0%)
- Yellow (2%)
- Black (53%)



- Cyan (100%)
- Magenta (53%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.1074, 14.9828, 19.4988 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 10.1074, 14.9828, 19.4988 by changing the saturation by 10% instead.

■ 10.1074, 14.9828,
19.4988

■ 10.1074, 14.9828,
19.4988

185.4745,
223.2621, 261.7026

■ 5.5330, 8.8073,
11.8508

■ 25.6452, 34.8230,
43.4231

■ 2.6012, 4.6157,
6.5209

■ 37.3393, 49.2565,
60.5366

■ 0.9466, 2.0236,
3.0904

■ 52.1373, 67.2115,
81.6422

■ 0.0000, 0.6211,
1.1410

■ 70.4047, 89.0723,
107.1586

■ 0.0000, 0.0000,
0.0000

■ 92.5068, 115.2234,
137.5043

■ 118.8089,

146.0491, 173.0978

149.6763,
181.9339, 214.3578

■ 10.1074, 14.9828,
19.4988

■ 10.1074, 14.9828,
19.4988

■ 10.1077, 14.9833,
19.4991

■ 10.2788, 15.0694,
19.6004

■ 10.5253, 15.1944,
19.7055

■ 10.9000, 15.3855,
19.8169

■ 11.4180, 15.6505,
19.9353

■ 12.0923, 15.9960,
20.0613

■ 12.9342, 16.4279,
20.1955

■ 13.9544, 16.9517,
20.3383

■ 15.1622, 17.5723,
20.4902

■ 16.5667, 18.2942,
20.6515

Harmonies

Analogous

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



10.1830, 14.9828, 12.6230



10.1074, 14.9828, 19.4988



11.0431, 14.9828, 27.3552

Triad

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



10.1074, 14.9828, 19.4988



17.7017, 14.9828, 28.4149



15.6874, 14.9828, 6.4926

Complementary

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



10.1074, 14.9828, 19.4988



7.9021, 4.0720, 0.4560

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.



18.0027, 14.9828, 8.7331



10.1074, 14.9828, 19.4988



19.2544, 14.9828, 20.6617

Square

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



10.1074, 14.9828, 19.4988



15.3133, 14.9828, 33.4149



19.3705, 14.9828, 13.4959



13.2194, 14.9828, 6.3469

Rectangle

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



10.1074, 14.9828, 19.4988



12.1847, 14.9828, 31.5720



19.3705, 14.9828, 13.4959



16.5159, 14.9828, 6.9879

Sweetspot

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



10.1079, 14.9834, 19.4992



24.8373, 30.2777, 36.3992



6.8883, 13.7014, 2.2819



5.5319, 6.8474, 8.3027



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



10.1079, 14.9834, 19.4992



18.0915, 26.8269, 34.8743



5.3155, 5.1086, 18.7957



4.1030, 4.5108, 5.0761



10.8309, 16.0560, 20.8921



51.6153, 76.5692, 99.3990

Inverse Universe

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



7.9021, 4.0720, 0.4560



14.1417, 7.2878, 0.7740



9.3228, 6.9397, 0.8485



4.0020, 4.0165, 4.2080



8.4671, 4.3630, 0.4849



40.3424, 20.7933, 2.0670

Previews

White Background



This preview shows how the XYZ color 10.1074, 14.9828, 19.4988 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 10.1074, 14.9828, 19.4988 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

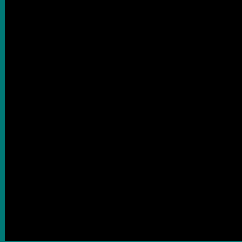
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 10.1074, 14.9828, 19.4988

Background



This preview shows how black text looks on a background with the XYZ color 10.1074, 14.9828, 19.4988.



This preview shows how white text looks on a background with the XYZ color 10.1074, 14.9828,

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

10.1074, 14.9828, 19.4988

Protanopia

14.3788, 14.8924, 16.8685

Deuteranopia

15.2465, 14.9530, 20.4950



Tritanopia

10.9602, 14.9853, 23.0837

Trichromacy



Original Color

10.1074, 14.9828, 19.4988

Protanomaly

11.2291, 14.0458, 17.7421

Deuteranomaly

11.7342, 14.0889, 20.1901

Tritanomaly

10.6318, 15.0238, 21.7416

Monochromacy



Original Color

10.1074, 14.9828, 19.4988

Achromatopsia

8.4267, 8.8656, 9.6546

Achromatomaly

7.8542, 10.1508, 12.6117

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.1074, 14.9828, 19.4988 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, 121, 118)` looks like.

```
.text, #text, p{  
    color:rgb(0, 121, 118)  
}
```

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, 121, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 121, 118) }
```

Border

The CSS property to change the border of an element to XYZ 10.1074, 14.9828, 19.4988 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, 121, 118) }
```


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

```
.border{ border-color:rgb(0, 121, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 121, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 121, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 121, 118);  
box-shadow:4px 4px 4px 4px rgb(0, 121,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 10.1074, 14.9828, 19.4988 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 121, 118) }
```

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

```
.background{ background-color: rgb(0, 121,  
118) }
```

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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