

Converting Colors

XYZ(6.4459, 12.8958, 18.9945)

Have a look what the booklet for
XYZ(6.4459, 12.8958, 18.9945)
contains.

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Color

**XYZ(9.9274, 14.7173,
19.1471)**

Conversions

Conversions Part 1

Format	Color
Hex	007875
RGB	0, 120, 117
RGB Percent	0%, 47%, 46%
CMY	0.9999, 0.5294, 0.5412
CMYK	1.00, 0.00, 0.03, 0.53
HSL	178°, 100%, 24%
HSV	178°, 100%, 47%
XYZ	9.9274, 14.7173, 19.1471
YIQ	83.7780, -70.5570, -26.3730

Conversions

Conversions Part 2

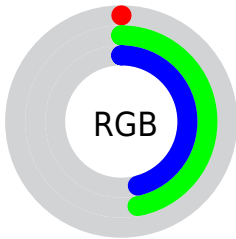
Format	Color
RYB	0, 61, 120
Decimal	30837
CIELab	45.24, -28.52, -6.46
CIELCh	45, 29.237, 192.757
Yxy	14.7173, 0.2267, 0.3361
Android (android.graphics.Color)	4278220917 (0xFF007875)
YUV	83.7780, 16.3784, -73.4733
Hunter-Lab	38.3631, -20.9442, -2.7375

Details

The XYZ color **9.9274, 14.7173, 19.1471** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **7.7627, 4.0002, 0.4497**, and the grayscale version is **8.3601, 8.7955, 9.5783**.

A 20% lighter version of the original color is **25.3295, 34.4140, 42.8437**, and **3.3274, 4.9361, 6.4076** is the 20% darker color. If you saturate the color by 10%, you get **9.9276, 14.7177, 19.1473**, and if you desaturate by 10%, it is **10.0972, 14.8031, 19.2477**.

Distribution



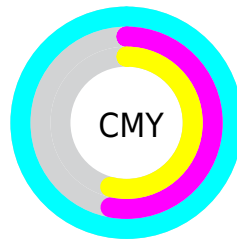
- Red (0%)
- Green (47%)
- Blue (46%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (3%)
- Black (53%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.9274, 14.7173, 19.1471 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 9.9274, 14.7173, 19.1471 by changing the saturation by 10% instead.

9.9274, 14.7173,
19.1471

9.9274, 14.7173,
19.1471

184.2176,
221.6487, 259.7094

5.4127, 8.6212,
11.5987

25.3098, 34.3565,
42.8225

2.5286, 4.4950,
6.3519

36.9082, 48.6684,
59.7867

0.9097, 1.9541,
2.9880

51.5986, 66.4876,
80.7265

0.0000, 0.5806,
1.0885

69.7463, 88.1987,
106.0605

0.0000, 0.0000,
0.0000

91.7167, 114.1859,
136.2072

117.8752,

144.8337, 171.5853

148.5870,
180.5265, 212.6131

■ 9.9274, 14.7173,
19.1471

■ 9.9274, 14.7173,
19.1471

■ 9.9276, 14.7177,
19.1473

■ 10.0972, 14.8031,
19.2477

■ 10.3402, 14.9263,
19.3516

■ 10.7090, 15.1144,
19.4617

■ 11.2185, 15.3750,
19.5787

■ 11.8812, 15.7146,
19.7032

■ 12.7085, 16.1390,
19.8357

■ 13.7105, 16.6534,
19.9766

■ 14.8966, 17.2628,
20.1265

■ 16.2755, 17.9716,
20.2857

Harmonies

Analogous

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



10.0025, 14.7173, 12.3939



9.9274, 14.7173, 19.1471



10.8458, 14.7173, 26.8660

Triad

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



9.9274, 14.7173, 19.1471



17.3868, 14.7173, 27.9194



15.4118, 14.7173, 6.3776

Complementary

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



9.9274, 14.7173, 19.1471



7.7627, 4.0002, 0.4497

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.



17.6859, 14.7173, 8.5804



9.9274, 14.7173, 19.1471



18.9132, 14.7173, 20.3030

Square

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



9.9274, 14.7173, 19.1471



15.0399, 14.7173, 32.8280



19.0286, 14.7173, 13.2616



12.9870, 14.7173, 6.2327

Rectangle

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



9.9274, 14.7173, 19.1471



11.9668, 14.7173, 31.0109



19.0286, 14.7173, 13.2616



16.2256, 14.7173, 6.8647

Sweetspot

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



9.9278, 14.7178, 19.1475



23.9703, 29.2160, 35.1152



6.7671, 13.4593, 2.2418



5.5317, 6.8474, 8.3016



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.



9.9278, 14.7178, 19.1475



17.4527, 25.8820, 33.6357



5.2244, 5.0241, 18.4642



4.1029, 4.5108, 5.0759



10.8293, 16.0554, 20.8838



51.6073, 76.5660, 99.3570

Inverse Universe

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



7.7627, 4.0002, 0.4497



13.6447, 7.0316, 0.7498



9.1608, 6.8226, 0.8346



4.0020, 4.0165, 4.2081



8.4673, 4.3631, 0.4856



40.3426, 20.7934, 2.0685

Previews

White Background



This preview shows how the XYZ color 9.9274, 14.7173, 19.1471 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 9.9274, 14.7173, 19.1471 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

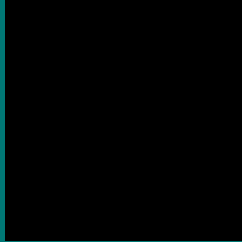
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 9.9274, 14.7173, 19.1471

Background



This preview shows how black text looks on a background with the XYZ color 9.9274, 14.7173, 19.1471.



This preview shows how white text looks on a background with the XYZ color 9.9274, 14.7173,

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

9.9274, 14.7173, 19.1471

Protanopia

14.0987, 14.6003, 16.5431

Deuteranopia

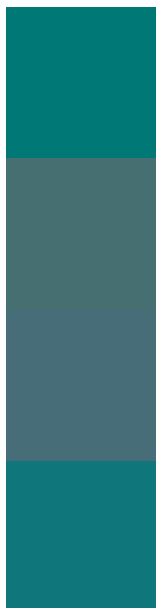
14.9570, 14.6606, 20.1306



Tritanopia

10.7514, 14.7096, 22.6946

Trichromacy



Original Color

9.9274, 14.7173, 19.1471

Protanomaly

11.0633, 13.8039, 17.4106

Deuteranomaly

11.5646, 13.8475, 19.8326

Tritanomaly

10.4319, 14.7504, 21.3661

Monochromacy



Original Color

9.9274, 14.7173, 19.1471

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 9.9274, 14.7173, 19.1471 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, 120, 117)` looks like.

```
.text, #text, p{  
    color:rgb(0, 120, 117)  
}
```

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, 120, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 120, 117) }
```

Border

The CSS property to change the border of an element to XYZ 9.9274, 14.7173, 19.1471 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, 120, 117) }
```


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

```
.border{ border-color:rgb(0, 120, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 120, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 120, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 120, 117);  
box-shadow:4px 4px 4px 4px rgb(0, 120,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 9.9274, 14.7173, 19.1471 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 120, 117) }
```

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

```
.background{ background-color: rgb(0, 120,  
117) }
```

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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