

Converting Colors

XYZ(4.0369, 12.4469, 19.7681)

Have a look what the booklet for
XYZ(4.0369, 12.4469, 19.7681)
contains.

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Color

**XYZ(10.5374, 15.7472,
19.9369)**

Conversions

Conversions Part 1

Format	Color
Hex	007C77
RGB	0, 124, 119
RGB Percent	0%, 49%, 47%
CMY	1.0000, 0.5137, 0.5333
CMYK	1.00, 0.00, 0.04, 0.51
HSL	178°, 100%, 24%
HSV	178°, 100%, 49%
XYZ	10.5374, 15.7472, 19.9369
YIQ	86.3540, -72.2990, -27.8430

Conversions

Conversions Part 2

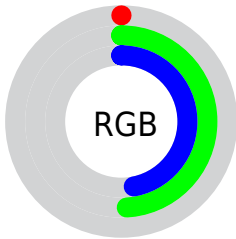
Format	Color
RYB	0, 63, 124
Decimal	31863
CIELab	46.64, -29.81, -5.57
CIElCh	47, 30.323, 190.581
Yxy	15.7472, 0.2280, 0.3407
Android (android.graphics.Color)	4278221943 (0xFF007C77)
YUV	86.3540, 16.0945, -75.7325
Hunter-Lab	39.6827, -22.0457, -2.0098

Details

The XYZ color **10.5374, 15.7472, 19.9369** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **8.3400, 4.2965, 0.5337**, and the grayscale version is **8.8994, 9.3629, 10.1962**.

A 20% lighter version of the original color is **26.3811, 36.0900, 44.1037**, and **3.5861, 5.3525, 6.8054** is the 20% darker color. If you saturate the color by 10%, you get **10.5377, 15.7477, 19.9371**, and if you desaturate by 10%, it is **10.7253, 15.8409, 20.1033**.

Distribution



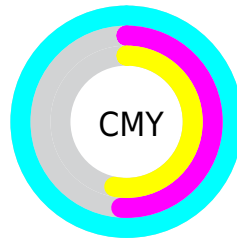
- Red (0%)
- Green (49%)
- Blue (47%)



- Red (0%)
- Yellow (25%)
- Blue (49%)



- Cyan (100%)
- Magenta (0%)
- Yellow (4%)
- Black (51%)



- Cyan (100%)
- Magenta (51%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.5374, 15.7472, 19.9369 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 10.5374, 15.7472, 19.9369 by changing the saturation by 10% instead.

■ 10.5374, 15.7472,
19.9369

■ 10.5374, 15.7472,
19.9369

188.4403,
227.8453, 264.1662

■ 5.8217, 9.3454,
12.1656

■ 26.4421, 36.1588,
44.1689

■ 2.7766, 4.9672,
6.7326

■ 38.3618, 50.9374,
61.4667

■ 1.0367, 2.2280,
3.2196

■ 53.4136, 69.2771,
82.7771

■ 0.0000, 0.7352,
1.2078

■ 71.9627, 91.5622,
108.5185

■ 0.0000, 0.0000,
0.0000

■ 94.3746, 118.1772,
139.1097

■ 121.0146,

149.5065, 174.9689

152.2480,
185.9344, 216.5150

■ 10.5374, 15.7472,
19.9369

■ 10.5374, 15.7472,
19.9369

■ 10.5377, 15.7477,
19.9371

■ 10.7253, 15.8409,
20.1033

■ 10.9944, 15.9762,
20.2739

■ 11.3992, 16.1813,
20.4518

■ 11.9556, 16.4646,
20.6375

■ 12.6774, 16.8331,
20.8318

■ 13.5768, 17.2933,
21.0353

■ 14.6650, 17.8507,
21.2484

■ 15.9521, 18.5106,
21.4717

■ 17.4476, 19.2779,
21.7056

Harmonies

Analogous

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



10.6974, 15.7472, 12.7787



10.5374, 15.7472, 19.9369



11.4548, 15.7472, 28.3610

Triad

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



10.5374, 15.7472, 19.9369



18.4931, 15.7472, 30.6195



16.7072, 15.7472, 6.8140

Complementary

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



10.5374, 15.7472, 19.9369



8.3400, 4.2965, 0.5337

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.



19.1330, 15.7472, 9.3627



10.5374, 15.7472, 19.9369



20.2445, 15.7472, 22.4098

Square

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



10.5374, 15.7472, 19.9369



15.9124, 15.7472, 35.6207



20.4915, 15.7472, 14.6286



14.0603, 15.7472, 6.5073

Rectangle

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



10.5374, 15.7472, 19.9369



12.6244, 15.7472, 33.0527



20.4915, 15.7472, 14.6286



17.5833, 15.7472, 7.3921

Sweetspot

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



10.5379, 15.7478, 19.9373



25.6565, 31.3353, 37.3634



7.2857, 14.4559, 2.4066



5.8783, 7.2958, 8.7685



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.



10.5379, 15.7478, 19.9373



18.5307, 27.7064, 35.0175



5.7180, 5.6146, 19.8518



4.1004, 4.5098, 5.0626



10.7120, 16.0085, 20.2661



51.0192, 76.3307, 96.2597

Inverse Universe

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



8.3400, 4.2965, 0.5337



14.6630, 7.5550, 0.8715



9.7174, 7.0950, 0.8576



4.0042, 4.0174, 4.2200



8.4778, 4.3673, 0.5409



40.3638, 20.8019, 2.1801

Previews

White Background



This preview shows how the XYZ color 10.5374, 15.7472, 19.9369 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 10.5374, 15.7472, 19.9369 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

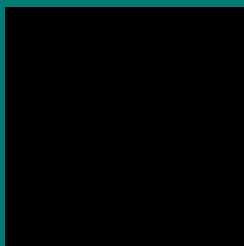
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 10.5374, 15.7472, 19.9369

Background



This preview shows how black text looks on a background with the XYZ color 10.5374, 15.7472, 19.9369.



This preview shows how white text looks on a background with the XYZ color 10.5374, 15.7472,

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

10.5374, 15.7472, 19.9369

Protanopia

15.0725, 15.7224, 16.9922

Deuteranopia

15.9031, 15.5903, 20.9099



Tritanopia

11.5764, 15.8180, 24.2728

Trichromacy



Original Color

10.5374, 15.7472, 19.9369

Protanomaly

11.7099, 14.7933, 17.8610

Deuteranomaly

12.1656, 14.6319, 20.5954

Tritanomaly

11.1449, 15.8174, 22.5443

Monochromacy



Original Color

10.5374, 15.7472, 19.9369

Achromatopsia

8.8453, 9.3059, 10.1341

Achromatomaly

8.3373, 10.8084, 13.2021

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.5374, 15.7472, 19.9369 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, 124, 119)` looks like.

```
.text, #text, p{  
    color:rgb(0, 124, 119)  
}
```

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, 124, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 124, 119) }
```

Border

The CSS property to change the border of an element to XYZ 10.5374, 15.7472, 19.9369 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, 124, 119) }
```


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

```
.border{ border-color:rgb(0, 124, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 124, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 124, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 124, 119);  
box-shadow:4px 4px 4px 4px rgb(0, 124,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 10.5374, 15.7472, 19.9369 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 124, 119) }
```

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

```
.background{ background-color: rgb(0, 124,  
119) }
```

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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