

Converting Colors

XYZ(3.4230, 12.0328, 19.1216)

Have a look what the booklet for
XYZ(3.4230, 12.0328, 19.1216)
contains.

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Color

**XYZ(10.4185, 15.6997,
19.3108)**

Conversions

Conversions Part 1

Format	Color
Hex	007C75
RGB	0, 124, 117
RGB Percent	0%, 49%, 46%
CMY	1.0000, 0.5137, 0.5412
CMYK	1.00, 0.00, 0.06, 0.51
HSL	177°, 100%, 24%
HSV	177°, 100%, 49%
XYZ	10.4185, 15.6997, 19.3108
YIQ	86.1260, -71.6570, -28.4650

Conversions

Conversions Part 2

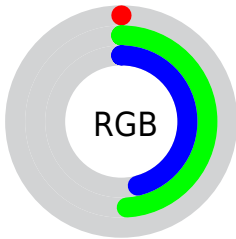
Format	Color
RYB	0, 64, 124
Decimal	31861
CIELab	46.58, -30.44, -4.48
CIELCh	47, 30.769, 188.363
Yxy	15.6997, 0.2293, 0.3456
Android (android.graphics.Color)	4278221941 (0xFF007C75)
YUV	86.1260, 15.2209, -75.5325
Hunter-Lab	39.6228, -22.4049, -1.1599

Details

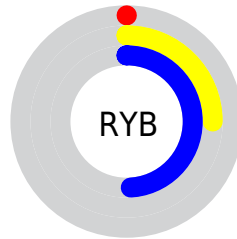
The XYZ color **10.4185, 15.6997, 19.3108** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **8.3510, 4.3008, 0.5913**, and the grayscale version is **8.8524, 9.3135, 10.1424**.

A 20% lighter version of the original color is **26.1918, 36.0143, 43.1071**, and **3.5230, 5.3272, 6.4728** is the 20% darker color. If you saturate the color by 10%, you get **10.4188, 15.7002, 19.3110**, and if you desaturate by 10%, it is **10.6176, 15.7979, 19.5362**.

Distribution



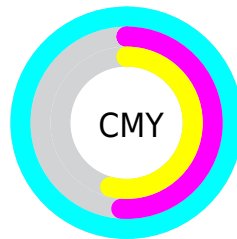
- Red (0%)
- Green (49%)
- Blue (46%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (6%)
- Black (51%)



- Cyan (100%)
- Magenta (51%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.4185, 15.6997, 19.3108 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 10.4185, 15.6997, 19.3108 by changing the saturation by 10% instead.

■ 10.4185, 15.6997,
19.3108

■ 10.4185, 15.6997,
19.3108

187.6253,
227.5631, 260.6389

■ 5.7417, 9.3119,
11.7160

■ 26.2223, 36.0761,
43.1023

■ 2.7278, 4.9452,
6.4304

■ 38.0801, 50.8335,
60.1361

■ 1.0115, 2.2151,
3.0355

■ 53.0621, 69.1495,
81.1532

■ 0.0000, 0.7282,
1.1128

■ 71.5339, 91.4085,
106.5723

■ 0.0000, 0.0000,
0.0000

■ 93.8608, 117.9950,
136.8119

■ 120.4081,

149.2934, 172.2905

151.5411,
185.6879, 213.4266

■ 10.4185, 15.6997,
19.3108

■ 10.4185, 15.6997,
19.3108

■ 10.4188, 15.7002,
19.3110

■ 10.6176, 15.7979,
19.5362

■ 10.8980, 15.9377,
19.7667

■ 11.3143, 16.1474,
20.0051

■ 11.8823, 16.4353,
20.2523

■ 12.6158, 16.8086,
20.5088

■ 13.5272, 17.2735,
20.7753

■ 14.6275, 17.8357,
21.0523

■ 15.9268, 18.5005,
21.3401

■ 17.4346, 19.2727,
21.6394

Harmonies

Analogous

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



10.6608, 15.6997, 12.2488



10.4185, 15.6997, 19.3108



11.2654, 15.6997, 27.8725

Triad

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



10.4185, 15.6997, 19.3108



18.3212, 15.6997, 31.3172



16.8854, 15.6997, 6.7851

Complementary

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



10.4185, 15.6997, 19.3108



8.3510, 4.3008, 0.5913

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.



19.2950, 15.6997, 9.5292



10.4185, 15.6997, 19.3108



20.1900, 15.6997, 23.0740

Square

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



10.4185, 15.6997, 19.3108



15.6772, 15.6997, 36.0305



20.5661, 15.6997, 15.0543



14.1916, 15.6997, 6.3234

Rectangle

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



10.4185, 15.6997, 19.3108



12.4005, 15.6997, 32.8138



20.5661, 15.6997, 15.0543



17.7642, 15.6997, 7.4213

Sweetspot

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



10.4190, 15.7003, 19.3112



25.5893, 31.3084, 37.0100



7.3116, 14.4693, 2.4077



5.8607, 7.2888, 8.6760



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.



10.4190, 15.7003, 19.3112



18.3168, 27.6208, 33.8911



5.8455, 5.8697, 19.8944



4.0978, 4.5087, 5.0486



10.5910, 15.9601, 19.6291



50.4132, 76.0883, 93.0687

Inverse Universe

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



8.3510, 4.3008, 0.5913



14.6772, 7.5606, 0.9463



9.6196, 6.8994, 0.8249



4.0066, 4.0184, 4.2326



8.4888, 4.3717, 0.5990



40.3891, 20.8120, 2.3130

Previews

White Background



This preview shows how the XYZ color 10.4185, 15.6997, 19.3108 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 10.4185, 15.6997, 19.3108 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 10.4185, 15.6997, 19.3108

Background



This preview shows how black text looks on a background with the XYZ color 10.4185, 15.6997, 19.3108.



This preview shows how white text looks on a background with the XYZ color 10.4185, 15.6997,

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

10.4185, 15.6997, 19.3108

Protanopia

15.0183, 15.7007, 16.7070

Deuteranopia

15.9113, 15.6089, 20.2634



Tritanopia

11.6033, 15.8319, 24.2741

Trichromacy



Original Color

10.4185, 15.6997, 19.3108

Protanomaly

11.6539, 14.7709, 17.5661

Deuteranomaly

12.1193, 14.6222, 19.9529

Tritanomaly

11.1632, 15.8268, 22.5452

Monochromacy



Original Color

10.4185, 15.6997, 19.3108

Achromatopsia

8.8453, 9.3059, 10.1341

Achromatomaly

8.2904, 10.7896, 12.9549

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.4185, 15.6997, 19.3108 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, 117)` looks like.

```
.text, #text, p{  
    color:rgb(0, 124, 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, 124, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 124, 117) }
```

Border

The CSS property to change the border of an element to XYZ 10.4185, 15.6997, 19.3108 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, 117) }
```


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

```
.border{ border-color:rgb(0, 124, 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, 124, 117) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 124, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 124, 117);  
box-shadow:4px 4px 4px 4px rgb(0, 124,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 10.4185, 15.6997, 19.3108 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, 117) }
```

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

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