

Converting Colors

XYZ(9.2440, 15.9466, 16.4343)

Have a look what the booklet for
XYZ(9.2440, 15.9466, 16.4343)
contains.

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Color

**XYZ(10.3730, 16.4999,
16.5480)**

Conversions

Conversions Part 1

Format	Color
Hex	00806B
RGB	0, 128, 107
RGB Percent	0%, 50%, 42%
CMY	1.0000, 0.4980, 0.5804
CMYK	1.00, 0.00, 0.16, 0.50
HSL	170°, 100%, 25%
HSV	170°, 100%, 50%
XYZ	10.3730, 16.4999, 16.5480
YIQ	87.3340, -69.5470, -33.6670

Conversions

Conversions Part 2

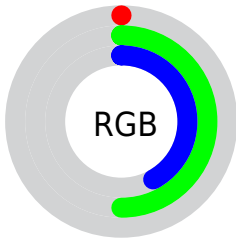
Format	Color
RYB	0, 70, 128
Decimal	32875
CIELab	47.62, -35.30, 2.96
CIELCh	48, 35.422, 175.199
Yxy	16.4999, 0.2389, 0.3800
Android (android.graphics.Color)	4278222955 (0xFF00806B)
YUV	87.3340, 9.6953, -76.5919
Hunter-Lab	40.6201, -25.5022, 4.2802

Details

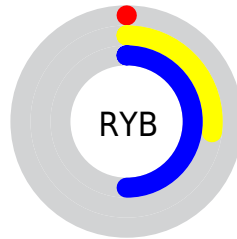
The XYZ color **10.3730, 16.4999, 16.5480** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **9.0380, 4.6437, 1.1299**, and the grayscale version is **9.1224, 9.5975, 10.4516**.

A 20% lighter version of the original color is **26.2078, 37.6300, 38.2298**, and **3.5400, 5.7750, 5.2031** is the 20% darker color. If you saturate the color by 10%, you get **10.3733, 16.5004, 16.5480**, and if you desaturate by 10%, it is **10.6484, 16.6293, 17.1452**.

Distribution



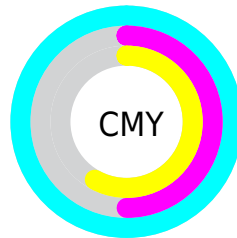
- Red (0%)
- Green (50%)
- Blue (42%)



- Red (0%)
- Yellow (27%)
- Blue (50%)



- Cyan (100%)
- Magenta (0%)
- Yellow (16%)
- Black (50%)



- Cyan (100%)
- Magenta (50%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.3730, 16.4999, 16.5480 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 10.3730, 16.4999, 16.5480 by changing the saturation by 10% instead.

■ 10.3730, 16.4999,
16.5480

■ 10.3730, 16.4999,
16.5480

187.3124,
232.2737, 244.5091

■ 5.7111, 9.8786,
9.7542

■ 26.1381, 37.4639,
38.3269

■ 2.7092, 5.3185,
5.1328

■ 37.9720, 52.5754,
54.1491

■ 1.0019, 2.4353,
2.2653

■ 52.9274, 71.2857,
73.8179

■ 0.0000, 0.8440,
0.7117

■ 71.3695, 93.9793,
97.7518

■ 0.0000, 0.0000,
0.0000

■ 93.6637, 121.0404,
126.3693

■ 120.1753,

152.8536, 160.0890

151.2698,
189.8033, 199.3294

■ 10.3730, 16.4999,
16.5480

■ 10.3730, 16.4999,
16.5480

■ 10.3733, 16.5004,
16.5480

■ 10.6484, 16.6293,
17.1452

■ 11.0159, 16.8056,
17.7604

■ 11.5316, 17.0579,
18.3967

■ 12.2130, 17.3953,
19.0552

■ 13.0750, 17.8254,
19.7364

■ 14.1308, 18.3552,
20.4413

■ 15.3926, 18.9909,
21.1703

■ 16.8712, 19.7380,
21.9242

■ 18.5771, 20.6019,
22.7034

Harmonies

Analogous

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



11.2032, 16.4999, 9.7508



10.3730, 16.4999, 16.5480



10.8016, 16.4999, 26.4411

Triad

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



10.3730, 16.4999, 16.5480



18.4149, 16.4999, 38.7627



19.4129, 16.4999, 7.1289

Complementary

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



10.3730, 16.4999, 16.5480



9.0380, 4.6437, 1.1299

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.



21.8490, 16.4999, 11.5276



10.3730, 16.4999, 16.5480



21.2207, 16.4999, 29.8416

Square

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



10.3730, 16.4999, 16.5480



15.1795, 16.4999, 41.4877



22.5512, 16.4999, 19.4619



16.1968, 16.4999, 5.6047

Rectangle

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



10.3730, 16.4999, 16.5480



11.7785, 16.4999, 33.3604



22.5512, 16.4999, 19.4619



20.3663, 16.4999, 8.2298

Sweetspot

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



10.3735, 16.5005, 16.5484



26.9330, 33.3509, 37.1814



8.0360, 15.6021, 2.5882



6.1134, 7.7114, 8.5976



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



10.3735, 16.5005, 16.5484



18.2185, 29.0327, 28.8992



7.1717, 8.1089, 21.6100



4.4171, 4.8752, 5.3676



10.2859, 16.3609, 16.4101



0.0000, 0.0000, 0.0000

Inverse Universe

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



9.0380, 4.6437, 1.1299



15.8736, 8.1600, 1.7873



9.7545, 6.2935, 0.7009



4.3543, 4.3549, 4.6705



8.9617, 4.6044, 1.1220



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 10.3730, 16.4999, 16.5480 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 10.3730, 16.4999, 16.5480 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 10.3730, 16.4999, 16.5480

Background



This preview shows how black text looks on a background with the XYZ color 10.3730, 16.4999, 16.5480.

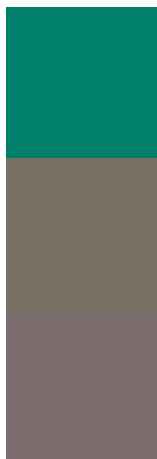


This preview shows how white text looks on a background with the XYZ color 10.3730, 16.4999,

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

10.3730, 16.4999, 16.5480

Protanopia

15.5175, 16.3407, 14.1406

Deuteranopia

16.6501, 16.3701, 17.3211



Tritanopia

12.2737, 16.5298, 25.0979

Trichromacy



Original Color

10.3730, 16.4999, 16.5480

Protanomaly

11.7784, 15.4120, 14.9244

Deuteranomaly

12.2843, 15.2788, 17.0535

Tritanomaly

11.3484, 16.3167, 21.6201

Monochromacy



Original Color

10.3730, 16.4999, 16.5480

Achromatopsia

9.0590, 9.5307, 10.3790

Achromatomaly

8.3473, 11.1231, 12.2967

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.3730, 16.4999, 16.5480 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, 128, 107)` looks like.

```
.text, #text, p{  
    color:rgb(0, 128, 107)  
}
```

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, 128, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 128, 107) }
```

Border

The CSS property to change the border of an element to XYZ 10.3730, 16.4999, 16.5480 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, 128, 107) }
```


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

```
.border{ border-color:rgb(0, 128, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 128, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 128, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 128, 107);  
box-shadow:4px 4px 4px 4px rgb(0, 128,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 10.3730, 16.4999, 16.5480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 128, 107) }
```

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

```
.background{ background-color: rgb(0, 128,  
107) }
```

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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