

Converting Colors

XYZ(3.6353, 13.0233, 15.1680)

Have a look what the booklet for
XYZ(3.6353, 13.0233, 15.1680)
contains.

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Color

**XYZ(10.1674, 16.4176,
15.4650)**

Conversions

Conversions Part 1

Format	Color
Hex	008067
RGB	0, 128, 103
RGB Percent	0%, 50%, 40%
CMY	0.9999, 0.4980, 0.5961
CMYK	1.00, 0.00, 0.20, 0.50
HSL	168°, 100%, 25%
HSV	168°, 100%, 50%
XYZ	10.1674, 16.4176, 15.4650
YIQ	86.8780, -68.2630, -34.9110

Conversions

Conversions Part 2

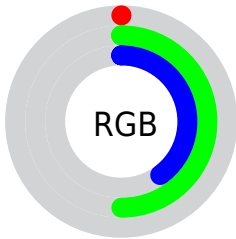
Format	Color
RYB	0, 71, 128
Decimal	32871
CIELab	47.52, -36.43, 5.16
CIELCh	48, 36.795, 171.934
Yxy	16.4176, 0.2418, 0.3904
Android (android.graphics.Color)	4278222951 (0xFF008067)
YUV	86.8780, 7.9481, -76.1920
Hunter-Lab	40.5186, -26.1164, 5.7335

Details

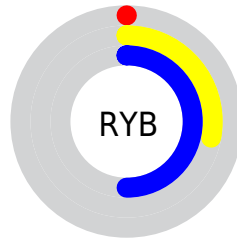
The XYZ color **10.1674, 16.4176, 15.4650** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **9.0782, 4.6600, 1.3417**, and the grayscale version is **9.0280, 9.4982, 10.3435**.

A 20% lighter version of the original color is **25.8689, 37.4945, 36.4456**, and **3.4382, 5.7343, 4.6670** is the 20% darker color. If you saturate the color by 10%, you get **10.1675, 16.4181, 15.4645**, and if you desaturate by 10%, it is **10.4584, 16.5533, 16.1440**.

Distribution



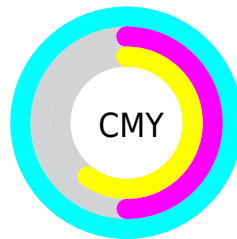
- Red (0%)
- Green (50%)
- Blue (40%)



- Red (0%)
- Yellow (28%)
- Blue (50%)



- Cyan (100%)
- Magenta (0%)
- Yellow (20%)
- Black (50%)





- Cyan (100%)
- Magenta (50%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 10.1674, 16.4176, 15.4650 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 10.1674, 16.4176, 15.4650 by changing the saturation by 10% instead.


 10.1674, 16.4176,
15.4650


 10.1674, 16.4176,
15.4650


185.8914,
231.7934, 237.9007


 5.5732, 9.8201,
8.9961


 25.7567, 37.3217,
36.4207


 2.6255, 5.2799,
4.6419

 37.4826, 52.3971,
51.7445


 0.9590, 2.4124,
1.9837

 52.3163, 71.0672,
70.8572

 0.0000, 0.8323,
0.5452

 70.6234, 93.7166,
94.1771

 0.0000, 0.0000,
0.0000

 92.7690, 120.7295,
122.1229

 119.1187,

152.4903, 155.1131

150.0377,
189.3835, 193.5662

■ 10.1674, 16.4176,
15.4650

■ 10.1674, 16.4176,
15.4650

■ 10.1675, 16.4181,
15.4645

■ 10.4584, 16.5533,
16.1440

■ 10.8426, 16.7362,
16.8468

■ 11.3761, 16.9956,
17.5765

■ 12.0764, 17.3406,
18.3342

■ 12.9584, 17.7788,
19.1205

■ 14.0355, 18.3171,
19.9364

■ 15.3196, 18.9617,
20.7826

■ 16.8218, 19.7183,
21.6597

■ 18.5523, 20.5921,
22.5683

Harmonies

Analogous

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



11.1568, 16.4176, 8.9090



10.1674, 16.4176, 15.4650



10.4657, 16.4176, 25.4863

Triad

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



10.1674, 16.4176, 15.4650



18.0744, 16.4176, 40.3401



19.8139, 16.4176, 7.1119

Complementary

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



10.1674, 16.4176, 15.4650



9.0782, 4.6600, 1.3417

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.



22.1982, 16.4176, 11.9550



10.1674, 16.4176, 15.4650



21.1002, 16.4176, 31.4458

Square

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



10.1674, 16.4176, 15.4650



14.7382, 16.4176, 42.3084



22.6992, 16.4176, 20.5253



16.5040, 16.4176, 5.3127

Rectangle

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



10.1674, 16.4176, 15.4650



11.3765, 16.4176, 32.8227



22.6992, 16.4176, 20.5253



20.7682, 16.4176, 8.3362

Sweetspot

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



10.1679, 16.4182, 15.4654



26.8005, 33.2979, 36.4834



8.1357, 15.6534, 2.5931



6.0791, 7.6976, 8.4169



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.



10.1679, 16.4182, 15.4654



17.8502, 28.8854, 26.9600



7.5196, 8.8047, 21.7259



4.4116, 4.8729, 5.3384



10.0820, 16.2794, 15.3363



0.0000, 0.0000, 0.0000

Inverse Universe

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



9.0782, 4.6600, 1.3417



15.9394, 8.1863, 2.1336



9.6088, 6.0021, 0.6525



4.3595, 4.3569, 4.6974



9.0015, 4.6203, 1.3318



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 10.1674, 16.4176, 15.4650 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 10.1674, 16.4176, 15.4650 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 10.1674, 16.4176, 15.4650

Background



This preview shows how black text looks on a background with the XYZ color 10.1674, 16.4176, 15.4650.



This preview shows how white text looks on a background with the XYZ color 10.1674, 16.4176,

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

10.1674, 16.4176, 15.4650

Protanopia

15.3309, 16.2661, 13.1581

Deuteranopia

16.5799, 16.3588, 16.1936



Tritanopia

12.3101, 16.5486, 25.0996

Trichromacy



Original Color

10.1674, 16.4176, 15.4650

Protanomaly

11.5847, 15.3346, 13.9046

Deuteranomaly

12.1552, 15.2369, 15.9360

Tritanomaly

11.2855, 16.2915, 21.2887

Monochromacy



Original Color

10.1674, 16.4176, 15.4650

Achromatopsia

9.0590, 9.5307, 10.3790

Achromatomaly

8.3027, 11.1053, 12.0619

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.1674, 16.4176, 15.4650 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, 103)` looks like.

```
.text, #text, p{  
    color:rgb(0, 128, 103)  
}
```

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, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 128, 103) }
```

Border

The CSS property to change the border of an element to XYZ 10.1674, 16.4176, 15.4650 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, 103) }
```


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

```
.border{ border-color:rgb(0, 128, 103) }
```

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, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 128, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 128, 103);  
box-shadow:4px 4px 4px 4px rgb(0, 128,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 10.1674, 16.4176, 15.4650 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, 103) }
```

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

```
.background{ background-color: rgb(0, 128,  
103) }
```

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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