

Converting Colors

XYZ(5.9270, 14.3157, 15.9014)

Have a look what the booklet for
XYZ(5.9270, 14.3157, 15.9014)
contains.

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Color

**XYZ(10.4001, 16.7204,
16.0438)**

Conversions

Conversions Part 1

Format	Color
Hex	008169
RGB	0, 129, 105
RGB Percent	0%, 51%, 41%
CMY	0.9999, 0.4941, 0.5882
CMYK	1.00, 0.00, 0.19, 0.49
HSL	169°, 100%, 25%
HSV	169°, 100%, 51%
XYZ	10.4001, 16.7204, 16.0438
YIQ	87.6930, -69.1800, -34.8120

Conversions

Conversions Part 2

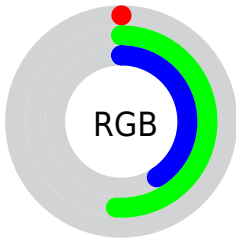
Format	Color
RYB	0, 71, 129
Decimal	33129
CIELab	47.91, -36.31, 4.55
CIELCh	48, 36.590, 172.863
Yxy	16.7204, 0.2409, 0.3874
Android (android.graphics.Color)	4278223209 (0xFF008169)
YUV	87.6930, 8.5324, -76.9068
Hunter-Lab	40.8906, -26.1589, 5.3604

Details

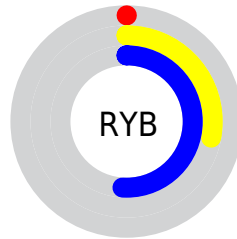
The XYZ color **10.4001, 16.7204, 16.0438** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **9.2188, 4.7337, 1.2929**, and the grayscale version is **9.2030, 9.6823, 10.5441**.

A 20% lighter version of the original color is **26.2425, 37.9727, 37.3988**, and **3.5597, 5.8975, 4.9537** is the 20% darker color. If you saturate the color by 10%, you get **10.4002, 16.7209, 16.0433**, and if you desaturate by 10%, it is **10.6903, 16.8559, 16.7110**.

Distribution



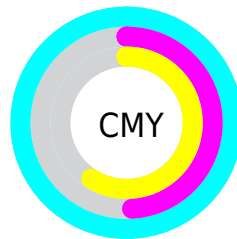
- Red (0%)
- Green (51%)
- Blue (41%)



- Red (0%)
- Yellow (28%)
- Blue (51%)



- Cyan (100%)
- Magenta (0%)
- Yellow (19%)
- Black (49%)



- Cyan (100%)
- Magenta (49%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.4001, 16.7204, 16.0438 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 10.4001, 16.7204, 16.0438 by changing the saturation by 10% instead.

■ 10.4001, 16.7204,
16.0438

■ 10.4001, 16.7204,
16.0438

187.4989,
233.5559, 241.4546

■ 5.7293, 10.0353,
9.4005

■ 26.1883, 37.8444,
37.4421

■ 2.7203, 5.4224,
4.9029

■ 38.0364, 53.0522,
53.0341

■ 1.0076, 2.4972,
2.1327

■ 53.0077, 71.8696,
72.4461

■ 0.0000, 0.8752,
0.6351

■ 71.4675, 94.6811,
96.0966

■ 0.0000, 0.0000,
0.0000

■ 93.7811, 121.8711,
124.4042

■ 120.3140,

153.8240, 157.7873

151.4315,
190.9241, 196.6646

■ 10.4001, 16.7204,
16.0438

■ 10.4001, 16.7204,
16.0438

■ 10.4002, 16.7209,
16.0433

■ 10.6903, 16.8559,
16.7110

■ 11.0755, 17.0397,
17.4006

■ 11.6125, 17.3012,
18.1158

■ 12.3188, 17.6496,
18.8575

■ 13.2098, 18.0929,
19.6266

■ 14.2990, 18.6379,
20.4239

■ 15.5987, 19.2909,
21.2501

■ 17.1202, 20.0579,
22.1058

■ 18.8738, 20.9442,
22.9917

Harmonies

Analogous

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



11.3593, 16.7204, 9.3042



10.4001, 16.7204, 16.0438



10.7418, 16.7204, 26.2008

Triad

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



10.4001, 16.7204, 16.0438



18.4820, 16.7204, 40.5539



20.0305, 16.7204, 7.2367

Complementary

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



10.4001, 16.7204, 16.0438



9.2188, 4.7337, 1.2929

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.



22.4712, 16.7204, 12.0290



10.4001, 16.7204, 16.0438



21.4944, 16.7204, 31.4979

Square

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



10.4001, 16.7204, 16.0438



15.1183, 16.7204, 42.7842



23.0409, 16.7204, 20.5535



16.6922, 16.7204, 5.4876

Rectangle

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



10.4001, 16.7204, 16.0438



11.6875, 16.7204, 33.5405



23.0409, 16.7204, 20.5535



21.0010, 16.7204, 8.4450

Sweetspot

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



10.4006, 16.7210, 16.0442



27.7533, 34.4543, 37.9453



8.2719, 15.9182, 2.6370



6.0892, 7.7017, 8.4702



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.



10.4006, 16.7210, 16.0442



18.5723, 29.9218, 28.4574



7.6449, 8.9493, 22.0940



4.4132, 4.8736, 5.3471



10.1414, 16.3031, 15.6493



0.0000, 0.0000, 0.0000

Inverse Universe

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



9.2188, 4.7337, 1.2929



16.4639, 8.4584, 2.0832



9.7698, 6.0995, 0.6629



4.3579, 4.3563, 4.6894



8.9891, 4.6153, 1.2663



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 10.4001, 16.7204, 16.0438 looks on a white background.

Color Contrast Check

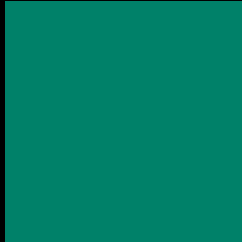
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.4001, 16.7204, 16.0438 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

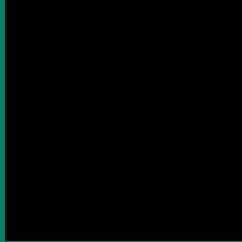
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 10.4001, 16.7204, 16.0438

Background



This preview shows how black text looks on a background with the XYZ color 10.4001, 16.7204, 16.0438.

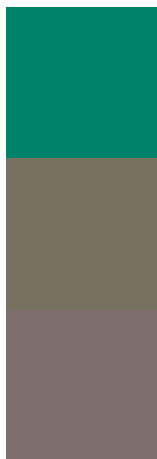


This preview shows how white text looks on a background with the XYZ color 10.4001, 16.7204,

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

10.4001, 16.7204, 16.0438

Protanopia

15.6705, 16.5953, 13.6865

Deuteranopia

16.9404, 16.6916, 16.7969



Tritanopia

12.5061, 16.8286, 25.5108

Trichromacy



Original Color

10.4001, 16.7204, 16.0438

Protanomaly

11.8776, 15.6503, 14.4514

Deuteranomaly

12.3763, 15.5108, 16.5289

Tritanomaly

11.4756, 16.5711, 21.6625

Monochromacy



Original Color

10.4001, 16.7204, 16.0438

Achromatopsia

9.2757, 9.7587, 10.6273

Achromatomaly

8.5015, 11.3494, 12.3323

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.4001, 16.7204, 16.0438 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, 129, 105)` looks like.

```
.text, #text, p{  
    color:rgb(0, 129, 105)  
}
```

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, 129, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 129, 105) }
```

Border

The CSS property to change the border of an element to XYZ 10.4001, 16.7204, 16.0438 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, 129, 105) }
```


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

```
.border{ border-color:rgb(0, 129, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 129, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 129, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 129, 105);  
box-shadow:4px 4px 4px 4px rgb(0, 129,  
105) }
```

Background

The CSS property to change the background color of an element to XYZ 10.4001, 16.7204, 16.0438 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 129, 105) }
```

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

```
.background{ background-color: rgb(0, 129,  
105) }
```

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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