

Converting Colors

XYZ(10.5653, 16.5676, 18.6319)

Have a look what the booklet for
XYZ(10.5653, 16.5676, 18.6319)
contains.

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Color

**XYZ(10.7564, 16.6532,
18.5671)**

Conversions

Conversions Part 1

Format	Color
Hex	008072
RGB	0, 128, 114
RGB Percent	0%, 50%, 45%
CMY	1.0000, 0.4980, 0.5529
CMYK	1.00, 0.00, 0.11, 0.50
HSL	173°, 100%, 25%
HSV	173°, 100%, 50%
XYZ	10.7564, 16.6532, 18.5671
YIQ	88.1320, -71.7940, -31.4900

Conversions

Conversions Part 2

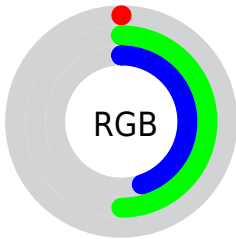
Format	Color
RYB	0, 68, 128
Decimal	32882
CIELab	47.82, -33.24, -0.87
CIELCh	48, 33.248, 181.503
Yxy	16.6532, 0.2340, 0.3622
Android (android.graphics.Color)	4278222962 (0xFF008072)
YUV	88.1320, 12.7529, -77.2918
Hunter-Lab	40.8083, -24.3649, 1.5899

Details

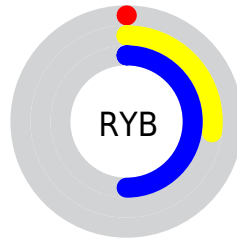
The XYZ color **10.7564, 16.6532, 18.5671** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **8.9818, 4.6213, 0.8345**, and the grayscale version is **9.2898, 9.7736, 10.6434**.

A 20% lighter version of the original color is **27.0042, 37.9584, 41.9798**, and **3.7078, 5.8421, 6.0865** is the 20% darker color. If you saturate the color by 10%, you get **10.7567, 16.6537, 18.5671**, and if you desaturate by 10%, it is **11.0003, 16.7700, 18.9982**.

Distribution



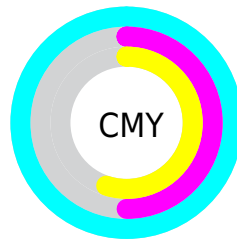
- Red (0%)
- Green (50%)
- Blue (45%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (11%)
- Black (50%)



- Cyan (100%)
- Magenta (50%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.7564, 16.6532, 18.5671 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 10.7564, 16.6532, 18.5671 by changing the saturation by 10% instead.

10.7564, 16.6532,
18.5671

10.7564, 16.6532,
18.5671

189.9316,
233.1659, 256.3910

5.9694, 9.9875,
11.1843

26.8458, 37.7285,
41.8282

2.8669, 5.3907,
6.0752

38.8788, 52.9070,
58.5436

1.0838, 2.4783,
2.8213

54.0579, 71.6919,
79.2069

0.0115, 0.8657,
1.0041

72.7484, 94.4675,
104.2366

0.0000, 0.0000,
0.0000

95.3157, 121.6183,
134.0513

122.1251,

153.5287, 169.0696

153.5419,
190.5831, 209.7100

■ 10.7564, 16.6532,
18.5671

■ 10.7564, 16.6532,
18.5671

■ 10.7567, 16.6537,
18.5671

■ 11.0003, 16.7700,
18.9982

■ 11.3348, 16.9331,
19.4395

■ 11.8160, 17.1716,
19.8941

■ 12.4614, 17.4946,
20.3629

■ 13.2859, 17.9097,
20.8465

■ 14.3027, 18.4239,
21.3457

■ 15.5239, 19.0433,
21.8609

■ 16.9604, 19.7736,
22.3928

■ 18.6226, 20.6201,
22.9418

Harmonies

Analogous

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



11.3013, 16.6532, 11.3666



10.7564, 16.6532, 18.5671



11.4220, 16.6532, 28.1489

Triad

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



10.7564, 16.6532, 18.5671



19.0208, 16.6532, 36.0670



18.7275, 16.6532, 7.1836

Complementary

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



10.7564, 16.6532, 18.5671



8.9818, 4.6213, 0.8345

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.



21.2433, 16.6532, 10.8283



10.7564, 16.6532, 18.5671



21.4270, 16.6532, 27.1595

Square

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



10.7564, 16.6532, 18.5671



15.9794, 16.6532, 40.0263



22.2867, 16.6532, 17.7047



15.6783, 16.6532, 6.1649

Rectangle

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



10.7564, 16.6532, 18.5671



12.5179, 16.6532, 34.2784



22.2867, 16.6532, 17.7047



19.6764, 16.6532, 8.0708

Sweetspot

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



10.7569, 16.6538, 18.5675



27.1690, 33.4453, 38.4240



7.9156, 15.5399, 2.5826



6.1746, 7.7359, 8.9201



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.



10.7569, 16.6538, 18.5675



18.9060, 29.3077, 32.5196



6.6881, 7.1418, 21.4487



4.4268, 4.8790, 5.4188



10.6660, 16.5130, 18.4117



0.0000, 0.0000, 0.0000

Inverse Universe

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



8.9818, 4.6213, 0.8345



15.7838, 8.1241, 1.3141



10.0038, 6.7922, 0.7841



4.3454, 4.3513, 4.6235



8.9060, 4.5821, 0.8286



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 10.7564, 16.6532, 18.5671 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 10.7564, 16.6532, 18.5671 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 10.7564, 16.6532, 18.5671

Background



This preview shows how black text looks on a background with the XYZ color 10.7564, 16.6532, 18.5671.

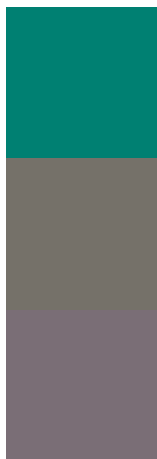


This preview shows how white text looks on a background with the XYZ color 10.7564, 16.6532,

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

10.7564, 16.6532, 18.5671

Protanopia

15.7910, 16.6121, 15.7388

Deuteranopia

16.8720, 16.5974, 19.4539



Tritanopia

12.3340, 16.7398, 25.5027

Trichromacy



Original Color

10.7564, 16.6532, 18.5671

Protanomaly

12.0092, 15.4954, 16.5453

Deuteranomaly

12.7141, 15.6266, 19.1758

Tritanomaly

11.6009, 16.6134, 22.6740

Monochromacy



Original Color

10.7564, 16.6532, 18.5671

Achromatopsia

9.2757, 9.7587, 10.6273

Achromatomaly

8.6388, 11.4043, 13.0552

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.7564, 16.6532, 18.5671 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, 114)` looks like.

```
.text, #text, p{  
    color:rgb(0, 128, 114)  
}
```

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, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 128, 114) }
```

Border

The CSS property to change the border of an element to XYZ 10.7564, 16.6532, 18.5671 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, 114) }
```


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

```
.border{ border-color:rgb(0, 128, 114) }
```

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, 114) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 128, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 128, 114);  
box-shadow:4px 4px 4px 4px rgb(0, 128,  
114) }
```

Background

The CSS property to change the background color of an element to XYZ 10.7564, 16.6532, 18.5671 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, 114) }
```

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

```
.background{ background-color: rgb(0, 128,  
114) }
```

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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