

Converting Colors

XYZ(8.3575, 15.6004, 16.6771)

Have a look what the booklet for
XYZ(8.3575, 15.6004, 16.6771)
contains.

XYZ(10.5570, 16.7832, 16.8704)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(10.5570, 16.7832,
16.8704)**

Conversions

Conversions Part 1

Format	Color
Hex	00816C
RGB	0, 129, 108
RGB Percent	0%, 51%, 42%
CMY	1.0000, 0.4941, 0.5765
CMYK	1.00, 0.00, 0.16, 0.49
HSL	170°, 100%, 25%
HSV	170°, 100%, 51%
XYZ	10.5570, 16.7832, 16.8704
YIQ	88.0350, -70.1430, -33.8790

Conversions

Conversions Part 2

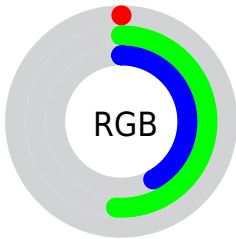
Format	Color
RYB	0, 70, 129
Decimal	33132
CIELab	47.99, -35.45, 2.90
CIELCh	48, 35.573, 175.324
Yxy	16.7832, 0.2388, 0.3796
Android (android.graphics.Color)	4278223212 (0xFF00816C)
YUV	88.0350, 9.8427, -77.2067
Hunter-Lab	40.9673, -25.6945, 4.2614

Details

The XYZ color **10.5570, 16.7832, 16.8704** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **9.1891, 4.7217, 1.1370**, and the grayscale version is **9.2744, 9.7574, 10.6258**.

A 20% lighter version of the original color is **26.4998, 38.0756, 38.7535**, and **3.6383, 5.9289, 5.3675** is the 20% darker color. If you saturate the color by 10%, you get **10.5573, 16.7837, 16.8703**, and if you desaturate by 10%, it is **10.8352, 16.9139, 17.4744**.

Distribution



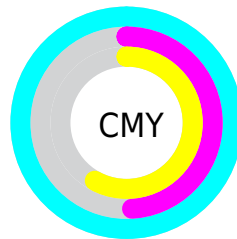
- Red (0%)
- Green (51%)
- Blue (42%)



- Red (0%)
- Yellow (27%)
- Blue (51%)



- Cyan (100%)
- Magenta (0%)
- Yellow (16%)
- Black (49%)



- Cyan (100%)
- Magenta (49%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.5570, 16.7832, 16.8704 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 10.5570, 16.7832, 16.8704 by changing the saturation by 10% instead.

■ 10.5570, 16.7832,
16.8704

■ 10.5570, 16.7832,
16.8704

188.5743,
233.9199, 246.4430

■ 5.8349, 10.0800,
9.9812

■ 26.4783, 37.9526,
38.8904

■ 2.7846, 5.4521,
5.2810

■ 38.4082, 53.1877,
54.8582

■ 1.0409, 2.5149,
2.3515

■ 53.4714, 72.0355,
74.6894

■ 0.0000, 0.8841,
0.7598

■ 72.0332, 94.8805,
98.8023

■ 0.0000, 0.0000,
0.0000

■ 94.4591, 122.1071,
127.6156

■ 121.1143,

154.0995, 161.5478

152.3643,
191.2424, 201.0174

■ 10.5570, 16.7832,
16.8704

■ 10.5570, 16.7832,
16.8704

■ 10.5573, 16.7837,
16.8703

■ 10.8352, 16.9139,
17.4744

■ 11.2076, 17.0925,
18.0966

■ 11.7308, 17.3485,
18.7401

■ 12.4226, 17.6912,
19.4059

■ 13.2982, 18.1282,
20.0947

■ 14.3712, 18.6667,
20.8072

■ 15.6539, 19.3130,
21.5442

■ 17.1574, 20.0728,
22.3063

■ 18.8923, 20.9515,
23.0940

Harmonies

Analogous

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



11.3953, 16.7832, 9.9489



10.5570, 16.7832, 16.8704



10.9978, 16.7832, 26.9259

Triad

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



10.5570, 16.7832, 16.8704



18.7404, 16.7832, 39.3624



19.7277, 16.7832, 7.2508

Complementary

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



10.5570, 16.7832, 16.8704



9.1891, 4.7217, 1.1370

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.



22.2070, 16.7832, 11.7078



10.5570, 16.7832, 16.8704



21.5854, 16.7832, 30.2893

Square

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



10.5570, 16.7832, 16.8704



15.4540, 16.7832, 42.1612



22.9285, 16.7832, 19.7535



16.4605, 16.7832, 5.7112

Rectangle

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



10.5570, 16.7832, 16.8704



11.9938, 16.7832, 33.9467



22.9285, 16.7832, 19.7535



20.6972, 16.7832, 8.3658

Sweetspot

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



10.5575, 16.7838, 16.8708



27.8557, 34.4953, 38.4844



8.1707, 15.8661, 2.6321



6.1148, 7.7119, 8.6051



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.



10.5575, 16.7838, 16.8708



18.8583, 30.0363, 29.9637



7.2909, 8.2414, 21.9761



4.4173, 4.8752, 5.3688



10.2944, 16.3643, 16.4549



0.0000, 0.0000, 0.0000

Inverse Universe

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



9.1891, 4.7217, 1.1370



16.4149, 8.4388, 1.8251



9.9178, 6.3956, 0.7120



4.3541, 4.3548, 4.6694



8.9602, 4.6038, 1.1141



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 10.5570, 16.7832, 16.8704 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 10.5570, 16.7832, 16.8704 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 10.5570, 16.7832, 16.8704

Background



This preview shows how black text looks on a background with the XYZ color 10.5570, 16.7832, 16.8704.

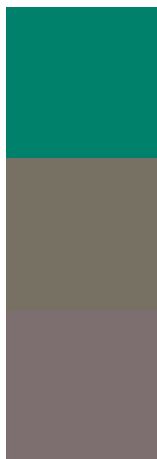


This preview shows how white text looks on a background with the XYZ color 10.5570, 16.7832,

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

10.5570, 16.7832, 16.8704

Protanopia

15.8131, 16.6523, 14.4374

Deuteranopia

16.9580, 16.6817, 17.6553



Tritanopia

12.4697, 16.8098, 25.5091

Trichromacy



Original Color

10.5570, 16.7832, 16.8704

Protanomaly

12.0255, 15.7094, 15.2304

Deuteranomaly

12.5388, 15.5758, 17.3845

Tritanomaly

11.5392, 16.5966, 21.9973

Monochromacy



Original Color

10.5570, 16.7832, 16.8704

Achromatopsia

9.2757, 9.7587, 10.6273

Achromatomaly

8.5467, 11.3675, 12.5702

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.5570, 16.7832, 16.8704 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, 108)` looks like.

```
.text, #text, p{  
    color:rgb(0, 129, 108)  
}
```

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, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 129, 108) }
```

Border

The CSS property to change the border of an element to XYZ 10.5570, 16.7832, 16.8704 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, 108) }
```


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

```
.border{ border-color:rgb(0, 129, 108) }
```

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, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 129, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 129, 108);  
box-shadow:4px 4px 4px 4px rgb(0, 129,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 10.5570, 16.7832, 16.8704 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, 108) }
```

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

```
.background{ background-color: rgb(0, 129,  
108) }
```

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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