

Converting Colors

XYZ(17.8769, 16.4821, 5.9805)

Have a look what the booklet for
XYZ(17.8769, 16.4821, 5.9805)
contains.

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Color

**XYZ(17.8769, 16.4821,
5.9805)**

Conversions

Conversions Part 1

Format	Color
Hex	946838
RGB	148, 104, 56
RGB Percent	58%, 41%, 22%
CMY	0.4196, 0.5921, 0.7804
CMYK	0.00, 0.30, 0.62, 0.42
HSL	31°, 45%, 40%
HSV	31°, 62%, 58%
XYZ	17.8769, 16.4821, 5.9805
YIQ	111.6840, 41.6320, -5.6000

Conversions

Conversions Part 2

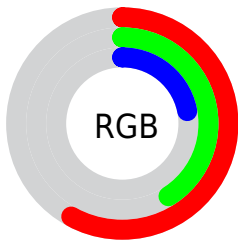
Format	Color
R_{YB}	140, 148, 56
Decimal	9726008
CIE Lab	47.60, 12.33, 33.63
CIE LCh	48, 35.822, 69.859
Yxy	16.4821, 0.4432, 0.4086
Android (android.graphics.Color)	4287916088 (0xFF946838)
YUV	111.6840, -27.4522, 31.8491
Hunter-Lab	40.5982, 7.5535, 19.6847

Details

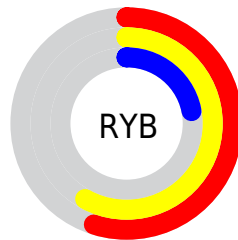
The XYZ color **17.8769, 16.4821, 5.9805** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **11.5331, 12.0926, 29.7431**, and the grayscale version is **15.3782, 16.1791, 17.6190**.

A 20% lighter version of the original color is **39.3969, 37.4213, 18.2433**, and **6.1285, 5.3257, 0.9634** is the 20% darker color. If you saturate the color by 10%, you get **16.8844, 14.9932, 4.1204**, and if you desaturate by 10%, it is **19.0370, 18.1350, 8.4249**.

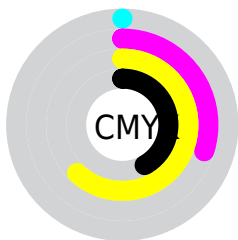
Distribution



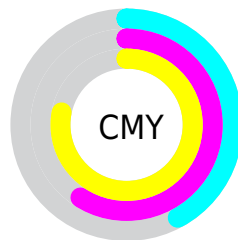
- Red (58%)
- Green (41%)
- Blue (22%)



- Red (55%)
- Yellow (58%)
- Blue (22%)



- Cyan (0%)
- Magenta (30%)
- Yellow (62%)
- Black (42%)





- Cyan (42%)
- Magenta (59%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.8769, 16.4821, 5.9805 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 17.8769, 16.4821, 5.9805 by changing the saturation by 10% instead.


 17.8769, 16.4821,
5.9805


 17.8769, 16.4821,
5.9805


233.2353,
232.1699, 168.1971


 10.9608, 9.8659,
2.7646


 39.3592, 37.4332,
18.3674


 6.1076, 5.3102,
0.9757


 54.6561, 52.5368,
28.3755


 2.9519, 2.4304,
0.0000

 73.4773, 71.2385,
41.4847

 1.1284, 0.8414,
0.0000

 96.1881, 93.9225,
58.1136

 0.0487, 0.0000,
0.0000

 123.1540,
120.9732, 78.6808

 0.0000, 0.0000,
0.0000

 154.7403,

152.7751, 103.6047

191.3122,
189.7126, 133.3040

■ 17.8769, 16.4821,
5.9805

■ 17.8769, 16.4821,
5.9805

■ 16.8844, 14.9932,
4.1204

■ 19.0370, 18.1350,
8.4249

■ 16.0471, 13.6592,
2.7917

■ 20.3736, 19.9558,
11.4981

■ 15.3524, 12.4731,
1.9336

■ 21.8961, 21.9511,
15.2416

■ 14.8822, 11.6350,
1.4614

■ 23.6128, 24.1264,
19.6927

■ 25.5316, 26.4867,
24.8863

■ 27.6597, 29.0371,
30.8546

■ 30.0041, 31.7822,
37.6282

■ 32.5713, 34.7265,
45.2359

■ 35.3677, 37.8744,
53.7050

Harmonies

Analogous

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



20.8685, 16.4821, 8.8695



17.8769, 16.4821, 5.9805



14.6376, 16.4821, 5.5969

Triad

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



17.8769, 16.4821, 5.9805



10.3608, 16.4821, 21.1293



19.9404, 16.4821, 35.1155

Complementary

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



17.8769, 16.4821, 5.9805



11.5331, 12.0926, 29.7431

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.



16.7410, 16.4821, 41.4497



17.8769, 16.4821, 5.9805



11.4087, 16.4821, 31.7429

Square

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



17.8769, 16.4821, 5.9805



10.5785, 16.4821, 12.5459



13.6449, 16.4821, 40.0405



22.1676, 16.4821, 24.7090

Rectangle

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



17.8769, 16.4821, 5.9805



12.8029, 16.4821, 6.6064



13.6449, 16.4821, 40.0405



18.9264, 16.4821, 37.9287

Sweetspot

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



17.8773, 16.4829, 5.9808



42.5693, 43.6954, 37.1622



15.9499, 10.0535, 13.2754



9.5230, 9.7329, 7.9641



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



17.8773, 16.4829, 5.9808



29.1187, 25.4013, 6.1443



23.2409, 27.6191, 7.8476



6.0361, 6.2860, 6.1357



12.7393, 9.9930, 1.2574



0.1854, 0.1814, 0.0252

Inverse Universe

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



11.5331, 12.0926, 29.7431



16.9340, 16.9812, 51.8198



8.4775, 5.8522, 28.6997



5.7146, 6.0631, 7.3388



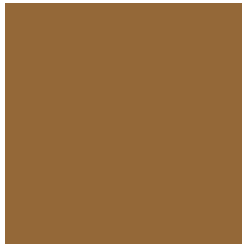
6.5052, 5.7053, 24.6894



0.1088, 0.1282, 0.3119

Previews

White Background



This preview shows how the XYZ color 17.8769, 16.4821, 5.9805 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 17.8769, 16.4821, 5.9805 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 17.8769, 16.4821, 5.9805

Background



This preview shows how black text looks on a background with the XYZ color 17.8769, 16.4821, 5.9805.



This preview shows how white text looks on a background with the XYZ color 17.8769, 16.4821,

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

17.8769, 16.4821, 5.9805

Protanopia

15.1520, 16.4860, 6.5212

Deuteranopia

16.8674, 16.5764, 5.9250



Tritanopia

19.9181, 16.4514, 15.7613

Trichromacy



Original Color

17.8769, 16.4821, 5.9805

Protanomaly

16.0125, 16.4439, 6.3330

Deuteranomaly

17.2750, 16.6309, 5.9140

Tritanomaly

19.0811, 16.3982, 11.3920

Monochromacy



Original Color

17.8769, 16.4821, 5.9805

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

15.8579, 16.0700, 12.3912

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.8769, 16.4821, 5.9805 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(148, 104, 56)` looks like.

```
.text, #text, p{  
    color:rgb(148, 104, 56)  
}
```

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(148, 104, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 104, 56) }
```

Border

The CSS property to change the border of an element to XYZ 17.8769, 16.4821, 5.9805 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(148, 104, 56) }
```


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

```
.border{ border-color:rgb(148, 104, 56) }
```

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

Here you see how a box with a 4 pixel rgb(148, 104, 56) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 104, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 104, 56);  
box-shadow:4px 4px 4px 4px rgb(148, 104,  
56) }
```

Background

The CSS property to change the background color of an element to XYZ 17.8769, 16.4821, 5.9805 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 104, 56) }
```

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

```
.background{ background-color: rgb(148,  
104, 56) }
```

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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