

Converting Colors

XYZ(16.8020, 18.4971, 16.9848)

Have a look what the booklet for
XYZ(16.8020, 18.4971, 16.9848)
contains.

XYZ(16.7466, 18.4705, 16.8699)	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(16.7466, 18.4705,
16.8699)**

Conversions

Conversions Part 1

Format	Color
Hex	74796C
RGB	116, 121, 108
RGB Percent	45%, 47%, 42%
CMY	0.5451, 0.5255, 0.5765
CMYK	0.04, 0.00, 0.11, 0.53
HSL	83°, 6%, 45%
HSV	83°, 11%, 47%
XYZ	16.7466, 18.4705, 16.8699
YIQ	118.0230, 1.1930, -5.1030

Conversions

Conversions Part 2

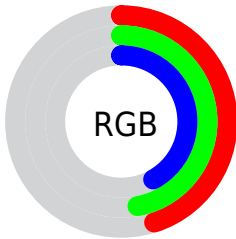
Format	Color
R_{YB}	108, 121, 113
Decimal	7633260
CIE Lab	50.06, -4.44, 6.48
CIE LCh	50, 7.858, 124.434
Yxy	18.4705, 0.3215, 0.3546
Android (android.graphics.Color)	4285823340 (0xFF74796C)
YUV	118.0230, -4.9413, -1.7742
Hunter-Lab	42.9773, -5.6558, 6.8110

Details

The XYZ color **16.7466, 18.4705, 16.8699** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.6246, 15.6169, 20.2811**, and the grayscale version is **17.2423, 18.1402, 19.7547**.

A 20% lighter version of the original color is **37.3500, 40.7152, 38.6911**, and **5.6087, 6.3310, 5.3413** is the 20% darker color. If you saturate the color by 10%, you get **15.5435, 17.9201, 13.6821**, and if you desaturate by 10%, it is **18.0712, 19.0742, 20.5308**.

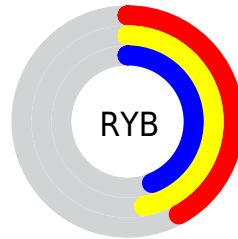
Distribution



Red (45%)

Green (47%)

Blue (42%)



Red (42%)

Yellow (47%)

Blue (44%)

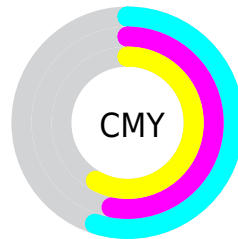


Cyan (4%)

Magenta (0%)

Yellow (11%)

Black (53%)



Cyan (55%)

Magenta (53%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.7466, 18.4705, 16.8699 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 16.7466, 18.4705, 16.8699 by changing the saturation by 10% instead.

■ 16.7466, 18.4705,
16.8699

■ 16.7466, 18.4705,
16.8699

226.8927,
243.5098, 246.4400

■ 10.1482, 11.2883,
9.9808

■ 37.4367, 40.8374,
38.8895

■ 5.5603, 6.2611,
5.2808

■ 52.2590, 56.7910,
54.8571

■ 2.6177, 3.0045,
2.3513

■ 70.5533, 76.4370,
74.6880

■ 0.9550, 1.1341,
0.7598

■ 92.6850, 100.1601,
98.8007

■ 0.0000, 0.0068,
0.0000

119.0195,
128.3445, 127.6137

■ 0.0000, 0.0000,
0.0000

149.9220,

161.3747, 161.5455

185.7579,
199.6350, 201.0148

■ 16.7466, 18.4705,
16.8699

■ 16.7466, 18.4705,
16.8699

■ 15.5435, 17.9201,
13.6821

■ 18.0712, 19.0742,
20.5308

■ 14.4562, 17.4190,
10.9469

■ 19.5195, 19.7305,
24.6818

■ 13.4809, 16.9662,
8.6440

■ 21.0960, 20.4417,
29.3405

■ 12.6128, 16.5597,
6.7513

■ 22.8039, 21.2093,
34.5233

■ 11.8470, 16.1974,
5.2445

■ 24.6469, 22.0346,
40.2459

■ 11.1777, 15.8771,
4.0968

■ 26.6280, 22.9190,
46.5232

■ 10.5989, 15.5963,
3.2782

■ 28.7504, 23.8638,
53.3696

■ 10.1033, 15.3519,
2.7534

■ 31.0172, 24.8703,
60.7991

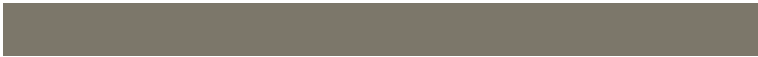
■ 9.6961, 15.1491,
2.4130

■ 33.4313, 25.9396,
68.8250

Harmonies

Analogous

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



17.4435, 18.4705, 16.2403



16.7466, 18.4705, 16.8699



16.2770, 18.4705, 18.3680

Triad

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



16.7466, 18.4705, 16.8699



16.9359, 18.4705, 24.1045



19.0449, 18.4705, 19.7911

Complementary

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



16.7466, 18.4705, 16.8699



15.6246, 15.6169, 20.2811

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.



18.8996, 18.4705, 21.9615



16.7466, 18.4705, 16.8699



17.6683, 18.4705, 24.5531

Square

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



16.7466, 18.4705, 16.8699



16.3840, 18.4705, 22.5579



18.3904, 18.4705, 23.7432



18.7818, 18.4705, 17.8482

Rectangle

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



16.7466, 18.4705, 16.8699



16.1485, 18.4705, 19.7102



18.3904, 18.4705, 23.7432



19.0423, 18.4705, 20.5176

Sweetspot

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



16.7471, 18.4713, 16.8703



31.7868, 33.8950, 35.1589



16.4959, 16.9549, 16.5908



7.2285, 7.7321, 7.9285



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



16.7471, 18.4713, 16.8703



29.4116, 32.8120, 28.6563



15.9152, 18.0424, 16.8314



4.1654, 4.5606, 4.2852



10.3776, 16.2270, 2.5852



48.5297, 76.9034, 12.2861

Inverse Universe

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



15.6246, 15.6169, 20.2811



26.9612, 26.5805, 36.1024



16.4887, 16.0623, 20.3215



3.9299, 3.9618, 5.0007



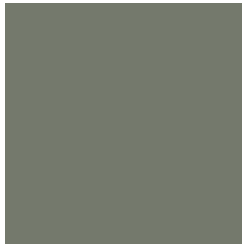
4.9211, 2.1097, 19.5331



22.5865, 9.6057, 93.1334

Previews

White Background



This preview shows how the XYZ color 16.7466, 18.4705, 16.8699 looks on a white background.

Color Contrast Check

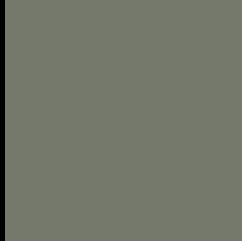
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 16.7466, 18.4705, 16.8699 looks on a black 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

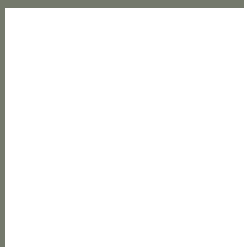
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.7466, 18.4705, 16.8699

Background



This preview shows how black text looks on a background with the XYZ color 16.7466, 18.4705, 16.8699.



This preview shows how white text looks on a background with the XYZ color 16.7466, 18.4705,

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

16.7466, 18.4705, 16.8699

Protanopia

17.5628, 18.5403, 16.5629

Deuteranopia

18.7226, 18.4339, 17.0393



Tritanopia

17.9825, 18.4373, 23.0331

Trichromacy



Original Color

16.7466, 18.4705, 16.8699

Protanomaly

17.2555, 18.5594, 16.5828

Deuteranomaly

17.8740, 18.3387, 17.0657

Tritanomaly

17.5192, 18.4257, 20.7223

Monochromacy



Original Color

16.7466, 18.4705, 16.8699

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

16.9702, 18.1905, 18.5363

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7466, 18.4705, 16.8699 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(116, 121, 108)` looks like.

```
.text, #text, p{  
    color:rgb(116, 121, 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(116, 121, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 121, 108) }
```

Border

The CSS property to change the border of an element to XYZ 16.7466, 18.4705, 16.8699 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(116, 121, 108) }
```


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

```
.border{ border-color:rgb(116, 121, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 121, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 121, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 121, 108);  
box-shadow:4px 4px 4px 4px rgb(116, 121,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 16.7466, 18.4705, 16.8699 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 121, 108) }
```

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

```
.background{ background-color: rgb(116,  
121, 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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