

Converting Colors

XYZ(16.5011, 17.4537, 16.4380)

Have a look what the booklet for
XYZ(16.5011, 17.4537, 16.4380)
contains.

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Color

**XYZ(16.5070, 17.4743,
16.4128)**

Conversions

Conversions Part 1

Format	Color
Hex	77746B
RGB	119, 116, 107
RGB Percent	47%, 45%, 42%
CMY	0.5333, 0.5451, 0.5804
CMYK	0.00, 0.03, 0.10, 0.53
HSL	45°, 5%, 44%
HSV	45°, 10%, 47%
XYZ	16.5070, 17.4743, 16.4128
YIQ	115.8710, 4.6770, -2.1630

Conversions

Conversions Part 2

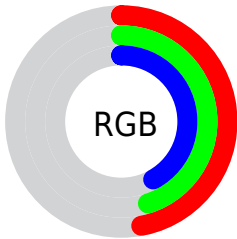
Format	Color
R_{YB}	111, 119, 107
Decimal	7828587
CIE Lab	48.85, -0.57, 5.37
CIE LCh	49, 5.405, 96.078
Yxy	17.4743, 0.3276, 0.3468
Android (android.graphics.Color)	4286018667 (0xFF77746B)
YUV	115.8710, -4.3734, 2.7441
Hunter-Lab	41.8023, -2.6674, 5.9826

Details

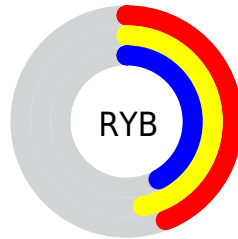
The XYZ color **16.5070, 17.4743, 16.4128** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **14.9691, 15.6093, 19.6769**, and the grayscale version is **16.5733, 17.4364, 18.9883**.

A 20% lighter version of the original color is **36.9688, 39.1318, 37.9525**, and **5.4813, 5.8001, 5.1056** is the 20% darker color. If you saturate the color by 10%, you get **15.5865, 16.5672, 13.2268**, and if you desaturate by 10%, it is **17.5256, 18.4394, 20.0571**.

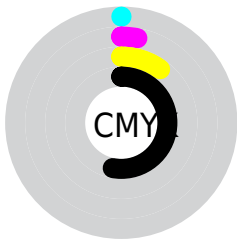
Distribution



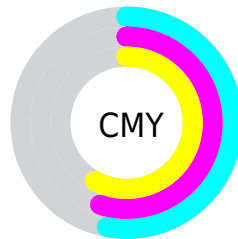
- Red (47%)
- Green (45%)
- Blue (42%)



- Red (44%)
- Yellow (47%)
- Blue (42%)



- Cyan (0%)
- Magenta (3%)
- Yellow (10%)
- Black (53%)



- Cyan (53%)
- Magenta (55%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.5070, 17.4743, 16.4128 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 16.5070, 17.4743, 16.4128 by changing the saturation by 10% instead.

■ 16.5070, 17.4743,
16.4128

■ 16.5070, 17.4743,
16.4128

225.5272,
237.8910, 243.6937

■ 9.9767, 10.5732,
9.6592

■ 37.0266, 39.1395,
38.0901

■ 5.4457, 5.7807,
5.0710

■ 51.7466, 54.6724,
53.8509

■ 2.5485, 2.7122,
2.2295

■ 69.9272, 73.8513,
73.4512

■ 0.9198, 0.9834,
0.6913

■ 91.9338, 97.0608,
97.3095

■ 0.0000, 0.0000,
0.0000

118.1317,
124.6851, 125.8443

148.8864,

157.1086, 159.4743

184.5631,
194.7158, 198.6179

■ 16.5070, 17.4743,
16.4128

■ 16.5070, 17.4743,
16.4128

■ 15.5865, 16.5672,
13.2268

■ 17.5256, 18.4394,
20.0571

■ 14.7592, 15.7141,
10.4796

■ 18.6442, 19.4616,
24.1759

■ 14.0215, 14.9141,
8.1517

■ 19.8667, 20.5432,
28.7862

■ 13.3694, 14.1654,
6.2219

■ 21.1960, 21.6856,
33.9036

■ 12.7985, 13.4661,
4.6673

■ 22.6350, 22.8900,
39.5432

■ 12.3037, 12.8139,
3.4621

■ 24.1867, 24.1578,
45.7192

■ 11.8795, 12.2065,
2.5779

■ 25.8537, 25.4902,
52.4455

■ 11.5196, 11.6412,
1.9813

■ 27.6387, 26.8884,
59.7355

■ 11.2033, 11.1128,
1.5545

■ 29.5441, 28.3536,
67.6019

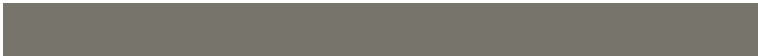
Harmonies

Analogous

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



17.0025, 17.4743, 16.6143



16.5070, 17.4743, 16.4128



16.0479, 17.4743, 16.8827

Triad

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



16.5070, 17.4743, 16.4128



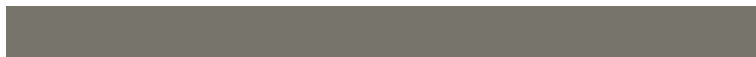
15.8423, 17.4743, 20.6980



17.5051, 17.4743, 20.1674

Complementary

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



16.5070, 17.4743, 16.4128



14.9691, 15.6093, 19.6769

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.



17.1826, 17.4743, 21.3447



16.5070, 17.4743, 16.4128



16.2212, 17.4743, 21.6616

Square

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



16.5070, 17.4743, 16.4128



15.6691, 17.4743, 19.3202



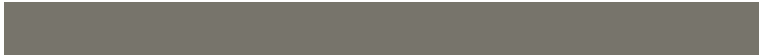
16.7110, 17.4743, 21.9040



17.5853, 17.4743, 18.7359

Rectangle

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



16.5070, 17.4743, 16.4128



15.8222, 17.4743, 17.5280



16.7110, 17.4743, 21.9040



17.4211, 17.4743, 20.6081

Sweetspot

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



16.5075, 17.4751, 16.4132



30.8190, 32.4920, 33.8758



15.6801, 15.5634, 16.9297



7.2721, 7.6705, 7.9143



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.



16.5075, 17.4751, 16.4132



29.1789, 30.9230, 28.0541



16.4533, 17.9684, 16.5112



3.8929, 4.1188, 3.9321



11.8950, 11.7912, 1.6490



57.2608, 56.0501, 7.8008

Inverse Universe

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



14.9691, 15.6093, 19.6769



25.8659, 26.9049, 35.0830



15.0181, 15.1626, 19.5881



3.5681, 3.7249, 4.6211



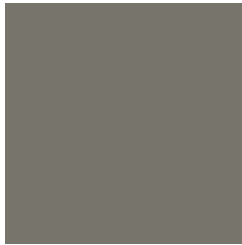
4.0166, 2.3729, 18.7889



18.9852, 10.3870, 91.3645

Previews

White Background



This preview shows how the XYZ color 16.5070, 17.4743, 16.4128 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 16.5070, 17.4743, 16.4128 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

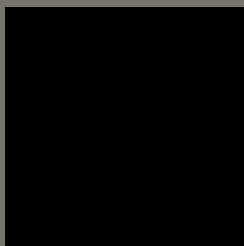
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

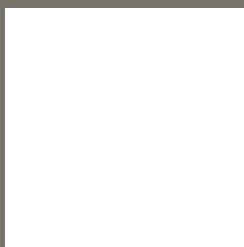
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.5070, 17.4743, 16.4128

Background



This preview shows how black text looks on a background with the XYZ color 16.5070, 17.4743, 16.4128.

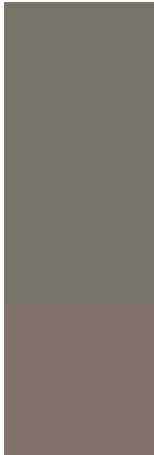


This preview shows how white text looks on a background with the XYZ color 16.5070, 17.4743,

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

16.5070, 17.4743, 16.4128

Protanopia

16.6450, 17.5454, 16.4192

Deuteranopia

17.7069, 17.4169, 16.6159



Tritanopia

17.4776, 17.5296, 21.2013

Trichromacy



Original Color

16.5070, 17.4743, 16.4128

Protanomaly

16.6450, 17.5454, 16.4192

Deuteranomaly

17.2161, 17.3286, 16.6247

Tritanomaly

17.0873, 17.5389, 19.3144

Monochromacy



Original Color

16.5070, 17.4743, 16.4128

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

16.5621, 17.4649, 18.1209

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.5070, 17.4743, 16.4128 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(119, 116, 107)` looks like.

```
.text, #text, p{  
    color:rgb(119, 116, 107)  
}
```

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(119, 116, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 116, 107) }
```

Border

The CSS property to change the border of an element to XYZ 16.5070, 17.4743, 16.4128 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(119, 116, 107) }
```


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

```
.border{ border-color:rgb(119, 116, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 116, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 116, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 116, 107);  
box-shadow:4px 4px 4px 4px rgb(119, 116,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 16.5070, 17.4743, 16.4128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 116, 107) }
```

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

```
.background{ background-color: rgb(119,  
116, 107) }
```

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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