

Converting Colors

XYZ(15.8041, 17.4079, 16.3739)

Have a look what the booklet for
XYZ(15.8041, 17.4079, 16.3739)
contains.

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Color

**XYZ(15.8144, 17.4631,
16.4471)**

Conversions

Conversions Part 1

Format	Color
Hex	70766B
RGB	112, 118, 107
RGB Percent	44%, 46%, 42%
CMY	0.5608, 0.5372, 0.5804
CMYK	0.05, 0.00, 0.09, 0.54
HSL	93°, 5%, 44%
HSV	93°, 9%, 46%
XYZ	15.8144, 17.4631, 16.4471
YIQ	114.9520, -0.0450, -4.6930

Conversions

Conversions Part 2

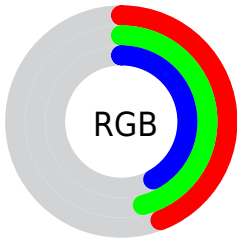
Format	Color
R_{YB}	107, 118, 113
Decimal	7370347
CIE Lab	48.84, -4.47, 5.28
CIE LCh	49, 6.915, 130.271
Yxy	17.4631, 0.3180, 0.3512
Android (android.graphics.Color)	4285560427 (0xFF70766B)
YUV	114.9520, -3.9203, -2.5889
Hunter-Lab	41.7889, -5.5798, 5.9171

Details

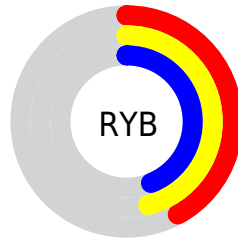
The XYZ color **15.8144, 17.4631, 16.4471** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.3383, 15.3345, 19.2918**, and the grayscale version is **16.2931, 17.1416, 18.6672**.

A 20% lighter version of the original color is **35.8561, 39.1106, 38.0070**, and **5.1201, 5.7966, 5.1240** is the 20% darker color. If you saturate the color by 10%, you get **14.4457, 16.8249, 13.3605**, and if you desaturate by 10%, it is **17.3274, 18.1669, 19.9835**.

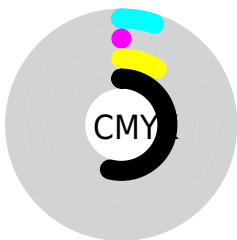
Distribution



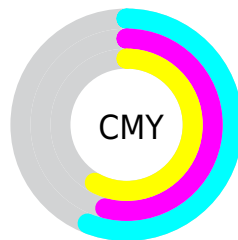
- Red (44%)
- Green (46%)
- Blue (42%)



- Red (42%)
- Yellow (46%)
- Blue (44%)



- Cyan (5%)
- Magenta (0%)
- Yellow (9%)
- Black (54%)



- Cyan (56%)
- Magenta (54%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.8144, 17.4631, 16.4471 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 15.8144, 17.4631, 16.4471 by changing the saturation by 10% instead.

■ 15.8144, 17.4631,
16.4471

■ 15.8144, 17.4631,
16.4471

221.5360,
237.8271, 243.9008

■ 9.4829, 10.5652,
9.6833

■ 35.8357, 39.1203,
38.1502

■ 5.1171, 5.7753,
5.0866

■ 50.2563, 54.6484,
53.9266

■ 2.3516, 2.7089,
2.2386

■ 68.1040, 73.8221,
73.5443

■ 0.8209, 0.9817,
0.6965

■ 89.7441, 97.0256,
97.4218

■ 0.0000, 0.0000,
0.0000

115.5420,
124.6435, 125.9776

145.8631,

157.0602, 159.6304

181.0726,
194.6599, 198.7986

■ 15.8144, 17.4631,
16.4471

■ 15.8144, 17.4631,
16.4471

■ 14.4457, 16.8249,
13.3605

■ 17.3274, 18.1669,
19.9835

■ 13.2151, 16.2480,
10.7046

■ 18.9877, 18.9359,
23.9856

■ 12.1184, 15.7312,
8.4604

■ 20.7999, 19.7728,
28.4698

■ 11.1502, 15.2721,
6.6074

■ 22.7680, 20.6792,
33.4515

■ 10.3051, 14.8684,
5.1230

■ 24.8959, 21.6567,
38.9454

■ 9.5768, 14.5174,
3.9825

■ 27.1873, 22.7071,
44.9655

■ 8.9587, 14.2164,
3.1579

■ 29.6458, 23.8319,
51.5253

■ 8.4431, 13.9620,
2.6173

■ 32.2748, 25.0325,
58.6378

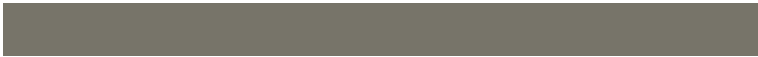
■ 8.0082, 13.7454,
2.2540

■ 35.0778, 26.3105,
66.3157

Harmonies

Analogous

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



16.3794, 17.4631, 15.7493



15.8144, 17.4631, 16.4471



15.4652, 17.4631, 17.8479

Triad

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



15.8144, 17.4631, 16.4471



16.1857, 17.4631, 22.5330



17.8403, 17.4631, 18.3921

Complementary

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



15.8144, 17.4631, 16.4471



15.3383, 15.3345, 19.2918

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.



17.7851, 17.4631, 20.2306



15.8144, 17.4631, 16.4471



16.8188, 17.4631, 22.7020

Square

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



15.8144, 17.4631, 16.4471



15.6757, 17.4631, 21.3877



17.4074, 17.4631, 21.8357



17.5561, 17.4631, 16.8234

Rectangle

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



15.8144, 17.4631, 16.4471



15.3963, 17.4631, 19.0310



17.4074, 17.4631, 21.8357



17.8610, 17.4631, 18.9977

Sweetspot

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



15.8149, 17.4639, 16.4475



29.4382, 31.4648, 32.7092



16.0159, 16.6942, 16.2883



6.7247, 7.2140, 7.4181



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



15.8149, 17.4639, 16.4475



27.3174, 30.4779, 27.7990



15.2155, 17.1526, 16.5204



3.7841, 4.1721, 3.9482



8.6192, 14.8477, 2.4116



41.0400, 71.8586, 11.7071

Inverse Universe

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



15.3383, 15.3345, 19.2918



26.3168, 26.0078, 33.7700



15.9778, 15.6667, 19.2081



3.6737, 3.6791, 4.6067



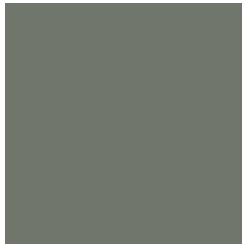
5.8365, 2.6002, 18.7368



27.4444, 12.1566, 91.2603

Previews

White Background



This preview shows how the XYZ color 15.8144, 17.4631, 16.4471 looks on a white background.

Color Contrast Check

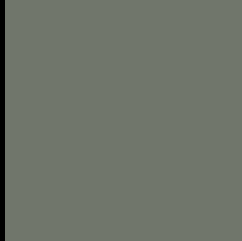
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.8144, 17.4631, 16.4471 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

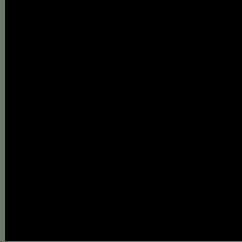
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

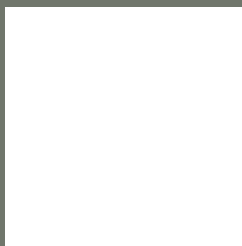
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.8144, 17.4631, 16.4471

Background



This preview shows how black text looks on a background with the XYZ color 15.8144, 17.4631, 16.4471.

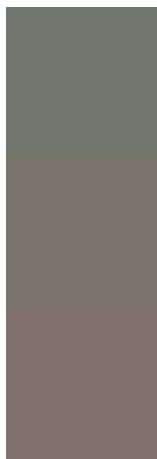


This preview shows how white text looks on a background with the XYZ color 15.8144, 17.4631,

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

15.8144, 17.4631, 16.4471

Protanopia

16.5926, 17.5245, 16.1437

Deuteranopia

17.7069, 17.4169, 16.6159



Tritanopia

16.9026, 17.3870, 21.8672

Trichromacy



Original Color

15.8144, 17.4631, 16.4471

Protanomaly

16.2989, 17.5451, 16.1632

Deuteranomaly

16.8925, 17.3283, 16.6417

Tritanomaly

16.4548, 17.3762, 19.6262

Monochromacy



Original Color

15.8144, 17.4631, 16.4471

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

16.1095, 17.2380, 17.8074

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.8144, 17.4631, 16.4471 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(112, 118, 107)` looks like.

```
.text, #text, p{  
    color:rgb(112, 118, 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(112, 118, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 118, 107) }
```

Border

The CSS property to change the border of an element to XYZ 15.8144, 17.4631, 16.4471 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(112, 118, 107) }
```


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

```
.border{ border-color:rgb(112, 118, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 118, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 118, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 118, 107);  
box-shadow:4px 4px 4px 4px rgb(112, 118,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 15.8144, 17.4631, 16.4471 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 118, 107) }
```

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

```
.background{ background-color: rgb(112,  
118, 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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