

# Converting Colors

XYZ(16.4709, 17.1550, 16.5929)

Have a look what the booklet for  
XYZ(16.4709, 17.1550, 16.5929)  
contains.

<b>XYZ(16.4698, 17.1104, 16.6219)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(16.4698, 17.1104,  
16.6219)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	78726C
RGB	120, 114, 108
RGB Percent	47%, 45%, 42%
CMY	0.5294, 0.5529, 0.5765
CMYK	0.00, 0.05, 0.10, 0.53
HSL	30°, 5%, 45%
HSV	30°, 10%, 47%
XYZ	16.4698, 17.1104, 16.6219
YIQ	115.1100, 5.5020, -0.5940

# Conversions

## Conversions Part 2

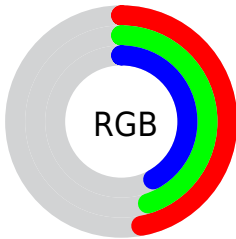
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	120, 120, 108
Decimal	7893612
CIE Lab	48.40, 1.17, 4.14
CIE LCh	48, 4.305, 74.202
Yxy	17.1104, 0.3281, 0.3408
Android (android.graphics.Color)	4286083692 (0xFF78726C)
YUV	115.1100, -3.5052, 4.2885
Hunter-Lab	41.3647, -1.3166, 5.1304

# Details

The XYZ color **16.4698, 17.1104, 16.6219** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.5917, 16.5785, 20.1477**, and the grayscale version is **16.3386, 17.1894, 18.7193**.

A 20% lighter version of the original color is **36.9075, 38.5463, 38.2958**, and **5.4630, 5.6111, 5.2100** is the 20% darker color. If you saturate the color by 10%, you get **15.2203, 15.5639, 13.2684**, and if you desaturate by 10%, it is **17.8526, 18.7823, 20.4540**.

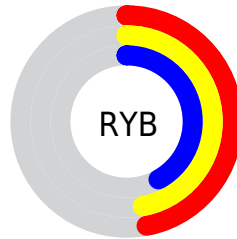
# Distribution



Red (47%)

Green (45%)

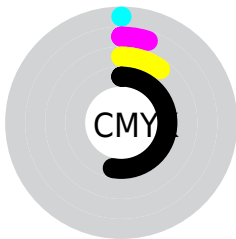
Blue (42%)



Red (47%)

Yellow (47%)

Blue (42%)

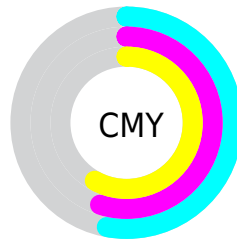


Cyan (0%)

Magenta (5%)

Yellow (10%)

Black (53%)



Cyan (53%)

Magenta (55%)

Yellow (58%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 16.4698, 17.1104, 16.6219 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 16.4698, 17.1104, 16.6219 by changing the saturation by 10% instead.



■ 16.4698, 17.1104,  
16.6219

■ 16.4698, 17.1104,  
16.6219

225.3145,  
235.8078, 244.9537

■ 9.9502, 10.3132,  
9.8062

■ 36.9628, 38.5155,  
38.4562

■ 5.4279, 5.6071,  
5.1667

■ 51.6669, 53.8922,  
54.3119

■ 2.5378, 2.6077,  
2.2850

■ 69.8298, 72.8976,  
74.0181

■ 0.9143, 0.9305,  
0.7228

■ 91.8169, 95.9160,  
97.9931

■ 0.0000, 0.0000,  
0.0000

117.9935,  
123.3318, 126.6557

148.7251,

155.5294, 160.4243

184.3770,  
192.8933, 199.7174

■ 16.4698, 17.1104,  
16.6219

■ 16.4698, 17.1104,  
16.6219

■ 15.2203, 15.5639,  
13.2684

■ 17.8526, 18.7823,  
20.4540

■ 14.0982, 14.1375,  
10.3734

■ 19.3713, 20.5803,  
24.7815

■ 13.0993, 12.8286,  
7.9168

■ 21.0306, 22.5081,  
29.6220

■ 12.2187, 11.6338,  
5.8766

■ 22.8342, 24.5685,  
34.9916

■ 11.4508, 10.5495,  
4.2291

■ 24.7857, 26.7641,  
40.9059

■ 10.7899, 9.5718,  
2.9479

■ 26.8886, 29.0975,  
47.3798

■ 10.2293, 8.6964,  
2.0036

■ 29.1465, 31.5712,  
54.4275

■ 9.7617, 7.9187,  
1.3618

■ 31.5625, 34.1877,  
62.0628

■ 9.3630, 7.2274,  
0.9016

■ 34.1398, 36.9494,  
70.2991

# Harmonies

## Analogous

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



16.8114, 17.1104, 17.1599



16.4698, 17.1104, 16.6219



16.0780, 17.1104, 16.6074

# Triad

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



16.4698, 17.1104, 16.6219



15.5403, 17.1104, 19.1671



16.7962, 17.1104, 20.2275

# Complementary

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



16.4698, 17.1104, 16.6219



15.5917, 16.5785, 20.1477

# 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.



16.4493, 17.1104, 20.8111



16.4698, 17.1104, 16.6219



15.7265, 17.1104, 20.1824

# Square

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



16.4698, 17.1104, 16.6219



15.5456, 17.1104, 18.0465



16.0578, 17.1104, 20.7943



17.0020, 17.1104, 19.2266



# Rectangle

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



16.4698, 17.1104, 16.6219



15.8413, 17.1104, 16.8949



16.0578, 17.1104, 20.7943



16.6920, 17.1104, 20.4807

# Sweetspot

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



16.4703, 17.1112, 16.6223



30.6267, 32.1075, 33.8117



16.1457, 15.9333, 18.1442



7.2161, 7.5584, 7.8957



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.



16.4703, 17.1112, 16.6223



28.4434, 29.4518, 27.8090



17.1691, 18.5089, 16.8552



4.1485, 4.3154, 4.2388



10.2001, 7.8561, 0.9788



47.8043, 35.7721, 4.3851



# Inverse Universe

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



15.5917, 16.5785, 20.1477



26.5720, 28.3172, 35.3183



14.9373, 15.2695, 19.9295



3.9477, 4.1937, 5.0446



5.4456, 4.9737, 20.0583

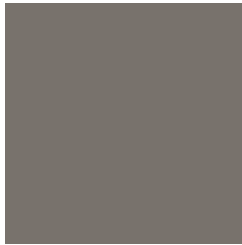


25.1252, 22.0230, 95.3964



# Previews

## White Background



This preview shows how the XYZ color 16.4698, 17.1104, 16.6219 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 16.4698, 17.1104, 16.6219 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

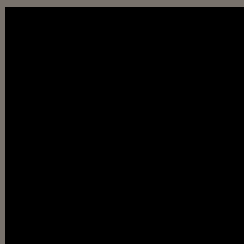
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

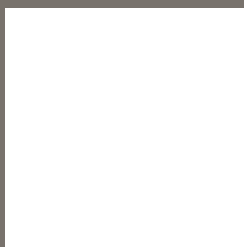
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 16.4698, 17.1104, 16.6219**

## **Background**



This preview shows how black text looks on a background with the XYZ color 16.4698, 17.1104, 16.6219.



This preview shows how white text looks on a background with the XYZ color 16.4698, 17.1104,



# 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

16.4698, 17.1104, 16.6219

### Protanopia

16.3318, 17.0393, 16.6155

### Deuteranopia

17.3468, 17.0622, 16.8471



## Tritanopia

17.2714, 17.1064, 20.4807

# Trichromacy



## Original Color

16.4698, 17.1104, 16.6219

## Protanomaly

16.3318, 17.0393, 16.6155

## Deuteranomaly

17.0119, 17.0524, 16.8628

## Tritanomaly

16.9427, 17.1362, 18.9376

# Monochromacy



## Original Color

16.4698, 17.1104, 16.6219

## Achromatopsia

16.2955, 17.1441, 18.6699

## Achromatomaly

16.3915, 17.2132, 17.7878

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 16.4698, 17.1104, 16.6219 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(120, 114, 108)` looks like.

```
.text, #text, p{  
    color:rgb(120, 114, 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(120, 114, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 114, 108) }
```

## Border

The CSS property to change the border of an element to XYZ 16.4698, 17.1104, 16.6219 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(120, 114, 108) }
```



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

```
.border{ border-color:rgb(120, 114, 108) }
```

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

Here you see how a box with a 4 pixel rgb(120, 114, 108) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 114, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 114, 108);  
box-shadow:4px 4px 4px 4px rgb(120, 114,  
108) }
```

# Background

The CSS property to change the background color of an element to XYZ 16.4698, 17.1104, 16.6219 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 114, 108) }
```

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

```
.background{ background-color: rgb(120,  
114, 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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