

Converting Colors

XYZ(16.0619, 16.7945, 16.6904)

Have a look what the booklet for
XYZ(16.0619, 16.7945, 16.6904)
contains.

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Color

**XYZ(15.9480, 16.6749,
16.5654)**

Conversions

Conversions Part 1

Format	Color
Hex	75716C
RGB	117, 113, 108
RGB Percent	46%, 44%, 42%
CMY	0.5412, 0.5569, 0.5765
CMYK	0.00, 0.03, 0.08, 0.54
HSL	33°, 4%, 44%
HSV	33°, 8%, 46%
XYZ	15.9480, 16.6749, 16.5654
YIQ	113.6260, 3.9890, -0.7070

Conversions

Conversions Part 2

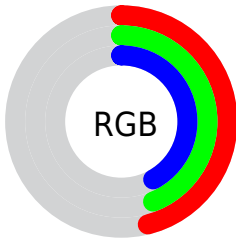
Format	Color
R_{YB}	115, 117, 108
Decimal	7696748
CIE Lab	47.85, 0.57, 3.31
CIE LCh	48, 3.363, 80.208
Yxy	16.6749, 0.3242, 0.3390
Android (android.graphics.Color)	4285886828 (0xFF75716C)
YUV	113.6260, -2.7736, 2.9590
Hunter-Lab	40.8349, -1.7482, 4.5324

Details

The XYZ color **15.9480, 16.6749, 16.5654** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.1893, 16.0605, 19.1291**, and the grayscale version is **15.8899, 16.7174, 18.2052**.

A 20% lighter version of the original color is **36.0753, 37.8485, 38.2050**, and **5.1868, 5.3827, 5.1805** is the 20% darker color. If you saturate the color by 10%, you get **14.8036, 15.3164, 13.3152**, and if you desaturate by 10%, it is **17.2102, 18.1347, 20.2676**.

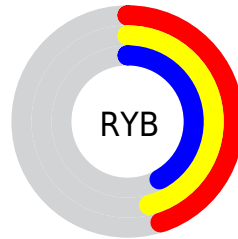
Distribution



Red (46%)

Green (44%)

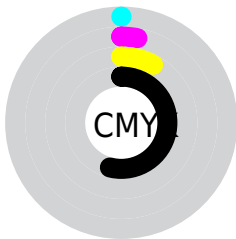
Blue (42%)



Red (45%)

Yellow (46%)

Blue (42%)

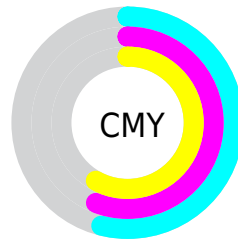


Cyan (0%)

Magenta (3%)

Yellow (8%)

Black (54%)



Cyan (54%)

Magenta (56%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.9480, 16.6749, 16.5654 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 15.9480, 16.6749, 16.5654 by changing the saturation by 10% instead.

■ 15.9480, 16.6749,
16.5654

■ 15.9480, 16.6749,
16.5654

222.3111,
233.2919, 244.6139

■ 9.5780, 10.0030,
9.7665

■ 36.0661, 37.7660,
38.3574

■ 5.1802, 5.4009,
5.1408

■ 50.5449, 52.9539,
54.1875

■ 2.3892, 2.4844,
2.2699

■ 68.4573, 71.7493,
73.8651

■ 0.8397, 0.8688,
0.7143

■ 90.1686, 94.5365,
97.8086

■ 0.0000, 0.0000,
0.0000

116.0444,
121.7000, 126.4368

146.4498,

153.6241, 160.1680

181.7502,
190.6933, 199.4209

■ 15.9480, 16.6749,
16.5654

■ 15.9480, 16.6749,
16.5654

■ 14.8036, 15.3164,
13.3152

■ 17.2102, 18.1347,
20.2676

■ 13.7716, 14.0546,
10.4984

■ 18.5923, 19.6960,
24.4373

■ 12.8485, 12.8877,
8.0965

■ 20.0985, 21.3616,
29.0906

■ 12.0299, 11.8130,
6.0894

■ 21.7319, 23.1338,
34.2427

■ 11.3110, 10.8276,
4.4552

■ 23.4957, 25.0147,
39.9078

■ 10.6868, 9.9287,
3.1701

■ 25.3932, 27.0062,
46.0998

■ 10.1516, 9.1127,
2.2071

■ 27.4271, 29.1103,
52.8318

■ 9.6989, 8.3762,
1.5354

■ 29.6005, 31.3290,
60.1168

■ 9.3129, 7.7117,
1.0752

■ 31.9160, 33.6640,
67.9670

Harmonies

Analogous

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



16.2237, 16.6749, 16.9075



15.9480, 16.6749, 16.5654



15.6492, 16.6749, 16.6391

Triad

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



15.9480, 16.6749, 16.5654



15.3100, 16.6749, 18.7370



16.2996, 16.6749, 19.2419

Complementary

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



15.9480, 16.6749, 16.5654



15.1893, 16.0605, 19.1291

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.



16.0505, 16.6749, 19.7627



15.9480, 16.6749, 16.5654



15.4801, 16.6749, 19.4648

Square

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



15.9480, 16.6749, 16.5654



15.2834, 16.6749, 17.8746



15.7504, 16.6749, 19.8456



16.4284, 16.6749, 18.4406

Rectangle

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



15.9480, 16.6749, 16.5654



15.4769, 16.6749, 16.9149



15.7504, 16.6749, 19.8456



16.2270, 16.6749, 19.4567

Sweetspot

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



15.9485, 16.6756, 16.5658



29.8071, 31.3125, 33.3017



15.6263, 15.6782, 17.5466



6.8614, 7.2088, 7.6810



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.



15.9485, 16.6756, 16.5658



28.2296, 29.4745, 28.7156



16.3440, 17.5562, 16.7149



3.8370, 4.0069, 3.9135



10.1521, 8.3055, 1.0680



48.6077, 38.7440, 4.9164

Inverse Universe

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



15.1893, 16.0605, 19.1291



26.6140, 28.1654, 34.1707



14.8129, 15.2262, 18.9879



3.6221, 3.8328, 4.6391



4.8739, 4.0874, 19.0746



22.9233, 18.2631, 92.6772

Previews

White Background



This preview shows how the XYZ color 15.9480, 16.6749, 16.5654 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 15.9480, 16.6749, 16.5654 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

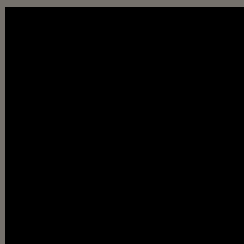
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

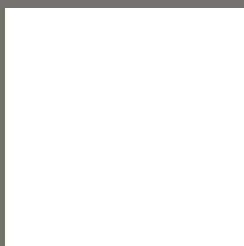
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.9480, 16.6749, 16.5654

Background



This preview shows how black text looks on a background with the XYZ color 15.9480, 16.6749, 16.5654.

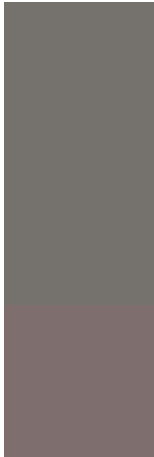


This preview shows how white text looks on a background with the XYZ color 15.9480, 16.6749,

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

15.9480, 16.6749, 16.5654

Protanopia

15.9480, 16.6749, 16.5654

Deuteranopia

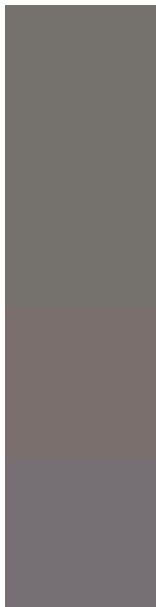
16.9404, 16.6916, 16.7969



Tritanopia

16.6824, 16.6469, 20.1032

Trichromacy



Original Color

15.9480, 16.6749, 16.5654

Protanomaly

15.9480, 16.6749, 16.5654

Deuteranomaly

16.6131, 16.6840, 16.8127

Tritanomaly

16.4178, 16.7008, 18.8813

Monochromacy



Original Color

15.9480, 16.6749, 16.5654

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

16.0122, 16.8493, 17.7375

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.9480, 16.6749, 16.5654 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(117, 113, 108)` looks like.

```
.text, #text, p{  
    color:rgb(117, 113, 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(117, 113, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 113, 108) }
```

Border

The CSS property to change the border of an element to XYZ 15.9480, 16.6749, 16.5654 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(117, 113, 108) }
```


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

```
.border{ border-color:rgb(117, 113, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 113, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 113, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 113, 108);  
box-shadow:4px 4px 4px 4px rgb(117, 113,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 15.9480, 16.6749, 16.5654 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 113, 108) }
```

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

```
.background{ background-color: rgb(117,  
113, 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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