

Converting Colors

XYZ(15.5036, 15.7333, 16.3836)

Have a look what the booklet for
XYZ(15.5036, 15.7333, 16.3836)
contains.

XYZ(15.5115, 15.8019, 16.4199)	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(15.5115, 15.8019,
16.4199)**

Conversions

Conversions Part 1

Format	Color
Hex	756D6C
RGB	117, 109, 108
RGB Percent	46%, 43%, 42%
CMY	0.5412, 0.5725, 0.5765
CMYK	0.00, 0.07, 0.08, 0.54
HSL	7°, 4%, 44%
HSV	7°, 8%, 46%
XYZ	15.5115, 15.8019, 16.4199
YIQ	111.2780, 5.0890, 1.3850

Conversions

Conversions Part 2

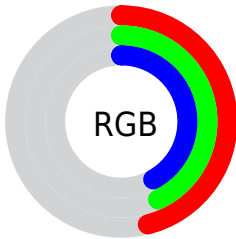
Format	Color
R_{YB}	117, 109, 108
Decimal	7695724
CIE Lab	46.71, 2.92, 1.67
CIE LCh	47, 3.366, 29.775
Yxy	15.8019, 0.3250, 0.3310
Android (android.graphics.Color)	4285885804 (0xFF756D6C)
YUV	111.2780, -1.6161, 5.0182
Hunter-Lab	39.7516, 0.0873, 3.3356

Details

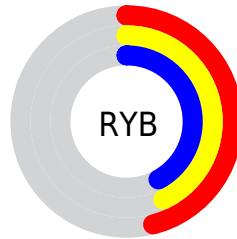
The XYZ color **15.5115, 15.8019, 16.4199** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.6405, 16.9629, 19.2795**, and the grayscale version is **15.1941, 15.9853, 17.4080**.

A 20% lighter version of the original color is **35.1910, 36.0798, 37.9102**, and **5.0192, 5.0474, 5.1246** is the 20% darker color. If you saturate the color by 10%, you get **13.8860, 13.4812, 13.0094**, and if you desaturate by 10%, it is **17.3527, 18.4198, 20.3151**.

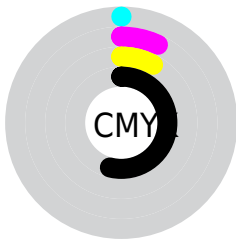
Distribution



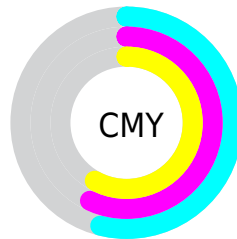
- Red (46%)
- Green (43%)
- Blue (42%)



- Red (46%)
- Yellow (43%)
- Blue (42%)



- Cyan (0%)
- Magenta (7%)
- Yellow (8%)
- Black (54%)



- Cyan (54%)
- Magenta (57%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.5115, 15.8019, 16.4199 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 15.5115, 15.8019, 16.4199 by changing the saturation by 10% instead.

■ 15.5115, 15.8019,
16.4199

■ 15.5115, 15.8019,
16.4199

219.7692,
228.1699, 243.7366

■ 9.2678, 9.3841,
9.6642

■ 35.3124, 36.2540,
38.1025

■ 4.9748, 4.9925,
5.0742

■ 49.6003, 51.0570,
53.8666

■ 2.2671, 2.2429,
2.2314

■ 67.3002, 69.4239,
73.4704

■ 0.7777, 0.7432,
0.6924

■ 88.7777, 91.7390,
97.3327

■ 0.0000, 0.0000,
0.0000

114.3980,
118.3868, 125.8719

144.5264,

149.7516, 159.5066

179.5283,
186.2178, 198.6553

■ 15.5115, 15.8019,
16.4199

■ 15.5115, 15.8019,
16.4199

■ 13.8860, 13.4812,
13.0094

■ 17.3527, 18.4198,
20.3151

■ 12.4669, 11.4453,
10.0635

■ 19.4158, 21.3429,
24.7117

■ 11.2465, 9.6837,
7.5625

■ 21.7082, 24.5811,
29.6272

■ 10.2158, 8.1848,
5.4847

■ 24.2368, 28.1437,
35.0776

■ 9.3652, 6.9359,
3.8066

■ 27.0080, 32.0392,
41.0785

■ 8.6842, 5.9234,
2.5025

■ 30.0281, 36.2760,
47.6447

■ 8.1614, 5.1323,
1.5437

■ 33.3030, 40.8622,
54.7904

■ 7.7837, 4.5459,
0.8971

■ 36.8387, 45.8055,
62.5295

■ 7.5279, 4.1418,
0.4802

■ 40.6407, 51.1135,
70.8752

Harmonies

Analogous

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



15.5873, 15.8019, 17.2119



15.5115, 15.8019, 16.4199



15.3034, 15.8019, 15.8542

Triad

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



15.5115, 15.8019, 16.4199



14.5396, 15.8019, 16.4093



15.0170, 15.8019, 18.8629

Complementary

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



15.5115, 15.8019, 16.4199



15.6405, 16.9629, 19.2795

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.



14.7386, 15.8019, 18.6317



15.5115, 15.8019, 16.4199



14.4651, 15.8019, 17.1993

Square

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



15.5115, 15.8019, 16.4199



14.7423, 15.8019, 15.8482



14.5375, 15.8019, 18.0159



15.2996, 15.8019, 18.6383

Rectangle

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



15.5115, 15.8019, 16.4199



15.1190, 15.8019, 15.6722



14.5375, 15.8019, 18.0159



14.9199, 15.8019, 18.8358

Sweetspot

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



15.5119, 15.8026, 16.4202



29.5883, 30.8748, 33.2288



15.8570, 15.7705, 18.7619



6.8150, 7.1159, 7.6655



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.



15.5119, 15.8026, 16.4202



27.3039, 27.6232, 28.4070



15.9929, 16.7645, 16.5806



3.7138, 3.7606, 3.8724



8.2349, 4.4711, 0.4290



39.7998, 21.1280, 1.9804

Inverse Universe

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



15.6405, 16.9629, 19.2795



27.5775, 30.0924, 34.4919



15.1455, 15.9730, 19.1145



3.7502, 4.0890, 4.6818



8.9817, 12.3031, 20.4439



43.3795, 59.1755, 99.4960

Previews

White Background



This preview shows how the XYZ color 15.5115, 15.8019, 16.4199 looks on a white background.

Color Contrast Check

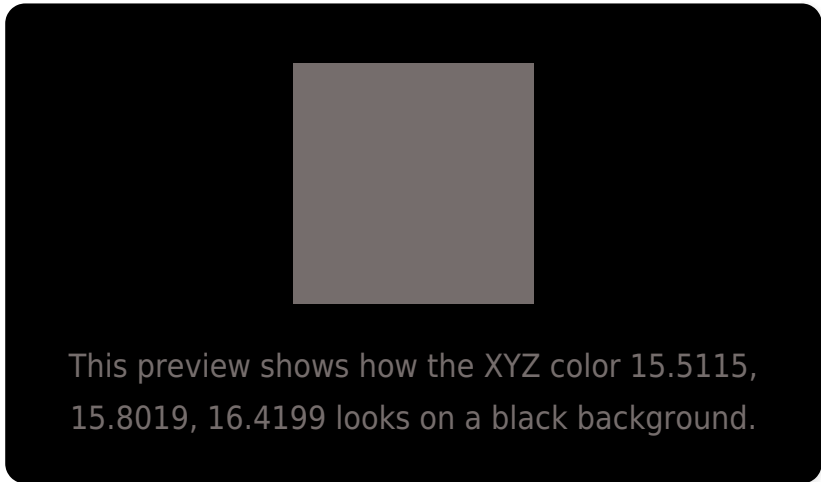
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

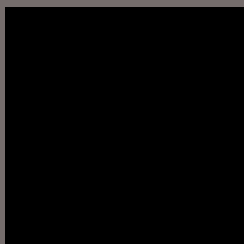
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.5115, 15.8019, 16.4199

Background



This preview shows how black text looks on a background with the XYZ color 15.5115, 15.8019, 16.4199.



This preview shows how white text looks on a background with the XYZ color 15.5115, 15.8019,

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

15.5115, 15.8019, 16.4199

Protanopia

15.1463, 15.7667, 16.7130

Deuteranopia

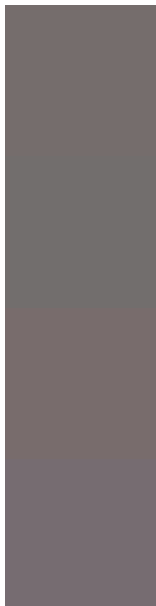
15.9905, 15.7357, 16.3819



Tritanopia

15.9862, 15.8376, 18.7374

Trichromacy



Original Color

15.5115, 15.8019, 16.4199

Protanomaly

15.2757, 15.8334, 16.7190

Deuteranomaly

15.8151, 15.8009, 16.4037

Tritanomaly

15.8144, 15.7689, 17.8330

Monochromacy



Original Color

15.5115, 15.8019, 16.4199

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

15.2005, 15.7884, 16.9982

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.5115, 15.8019, 16.4199 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, 109, 108)` looks like.

```
.text, #text, p{  
    color:rgb(117, 109, 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, 109, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 109, 108) }
```

Border

The CSS property to change the border of an element to XYZ 15.5115, 15.8019, 16.4199 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, 109, 108) }
```


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

```
.border{ border-color:rgb(117, 109, 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, 109, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 109, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 109, 108);  
box-shadow:4px 4px 4px 4px rgb(117, 109,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 15.5115, 15.8019, 16.4199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 109, 108) }
```

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

```
.background{ background-color: rgb(117,  
109, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor