

Converting Colors

XYZ(15.9834, 17.4155, 17.0122)

Have a look what the booklet for
XYZ(15.9834, 17.4155, 17.0122)
contains.

XYZ(15.9317, 17.3374, 16.9748)	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(15.9317, 17.3374,
16.9748)**

Conversions

Conversions Part 1

Format	Color
Hex	71756D
RGB	113, 117, 109
RGB Percent	44%, 46%, 43%
CMY	0.5569, 0.5412, 0.5725
CMYK	0.03, 0.00, 0.07, 0.54
HSL	90°, 4%, 44%
HSV	90°, 7%, 46%
XYZ	15.9317, 17.3374, 16.9748
YIQ	114.8920, 0.1840, -3.3360

Conversions

Conversions Part 2

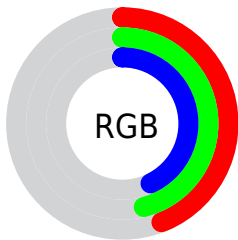
Format	Color
R_{YB}	109, 117, 113
Decimal	7435629
CIE _{Lab}	48.68, -3.12, 3.88
CIE _{LCh}	49, 4.979, 128.798
Yxy	17.3374, 0.3171, 0.3451
Android (android.graphics.Color)	4285625709 (0xFF71756D)
YUV	114.8920, -2.9048, -1.6593
Hunter-Lab	41.6382, -4.5688, 4.9758

Details

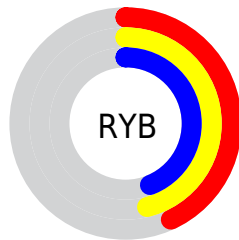
The XYZ color **15.9317, 17.3374, 16.9748** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.4902, 15.7328, 19.0508**, and the grayscale version is **16.2719, 17.1193, 18.6429**.

A 20% lighter version of the original color is **36.0502, 38.9133, 38.8687**, and **5.1776, 5.7279, 5.3901** is the 20% darker color. If you saturate the color by 10%, you get **14.6148, 16.7270, 13.8413**, and if you desaturate by 10%, it is **17.3820, 18.0079, 20.5530**.

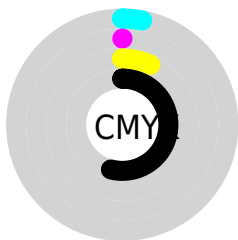
Distribution



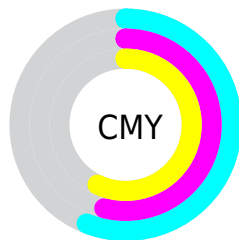
- Red (44%)
- Green (46%)
- Blue (43%)



- Red (43%)
- Yellow (46%)
- Blue (44%)



- Cyan (3%)
- Magenta (0%)
- Yellow (7%)
- Black (54%)



- Cyan (56%)
- Magenta (54%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.9317, 17.3374, 16.9748 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 15.9317, 17.3374, 16.9748 by changing the saturation by 10% instead.

■ 15.9317, 17.3374,
16.9748

■ 15.9317, 17.3374,
16.9748

222.2167,
237.1093, 247.0662

■ 9.5664, 10.4753,
10.0548

■ 36.0380, 38.9050,
39.0725

■ 5.1725, 5.7152,
5.3292

■ 50.5097, 54.3793,
55.0872

■ 2.3846, 2.6727,
2.3796

■ 68.4142, 73.4931,
74.9706

■ 0.8374, 0.9634,
0.7753

■ 90.1169, 96.6309,
99.1412

■ 0.0000, 0.0000,
0.0000

115.9831,
124.1770, 128.0175

146.3783,

156.5159, 162.0181

181.6677,
194.0318, 201.5614

■ 15.9317, 17.3374,
16.9748

■ 15.9317, 17.3374,
16.9748

■ 14.6148, 16.7270,
13.8413

■ 17.3820, 18.0079,
20.5530

■ 13.4256, 16.1727,
11.1340

■ 18.9682, 18.7379,
24.5912

■ 12.3602, 15.6732,
8.8347

■ 20.6947, 19.5298,
29.1053

■ 11.4139, 15.2267,
6.9237

■ 22.5650, 20.3851,
34.1101

■ 10.5816, 14.8309,
5.3794

■ 24.5827, 21.3054,
39.6199

■ 9.8577, 14.4836,
4.1781

■ 26.7512, 22.2921,
45.6482

■ 9.2363, 14.1822,
3.2936

■ 29.0736, 23.3466,
52.2082

■ 8.7104, 13.9238,
2.6955

■ 31.5533, 24.4702,
59.3125

■ 8.2660, 13.7026,
2.3154

■ 34.1931, 25.6643,
66.9733

Harmonies

Analogous

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



16.3440, 17.3374, 16.4876



15.9317, 17.3374, 16.9748



15.6693, 17.3374, 17.9778

Triad

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



15.9317, 17.3374, 16.9748



16.1615, 17.3374, 21.3341



17.3666, 17.3374, 18.4934

Complementary

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



15.9317, 17.3374, 16.9748



15.4902, 15.7328, 19.0508

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.



17.3155, 17.3374, 19.8067



15.9317, 17.3374, 16.9748



16.6141, 17.3374, 21.4879

Square

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



15.9317, 17.3374, 16.9748



15.8002, 17.3374, 20.5064



17.0380, 17.3374, 20.9173



17.1763, 17.3374, 17.3372

Rectangle

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



15.9317, 17.3374, 16.9748



15.6117, 17.3374, 18.8245



17.0380, 17.3374, 20.9173



17.3771, 17.3374, 18.9306

Sweetspot

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



15.9322, 17.3381, 16.9752



29.7413, 31.6069, 33.3620



16.0022, 16.6969, 16.8477



6.8475, 7.2713, 7.6938



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.



15.9322, 17.3381, 16.9752



28.1920, 30.8903, 29.5823



15.4288, 17.0786, 16.9516



3.7988, 4.1798, 3.9488



8.9449, 15.0156, 2.4269



42.6014, 72.6636, 11.7802

Inverse Universe

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



15.4902, 15.7328, 19.0508



27.2506, 27.4710, 34.0032



16.0163, 16.0040, 19.0754



3.6589, 3.6714, 4.6061



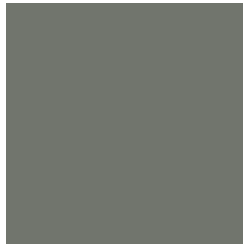
5.4752, 2.4139, 18.7199



25.6931, 11.2538, 91.1783

Previews

White Background



This preview shows how the XYZ color 15.9317, 17.3374, 16.9748 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 15.9317, 17.3374, 16.9748 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

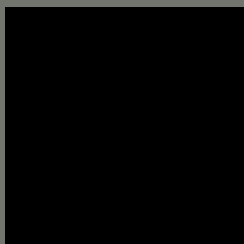
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

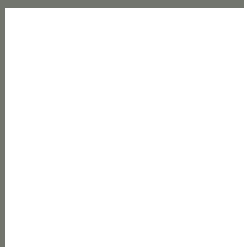
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.9317, 17.3374, 16.9748

Background



This preview shows how black text looks on a background with the XYZ color 15.9317, 17.3374, 16.9748.



This preview shows how white text looks on a background with the XYZ color 15.9317, 17.3374,

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

15.9317, 17.3374, 16.9748

Protanopia

16.4453, 17.2661, 16.6533

Deuteranopia

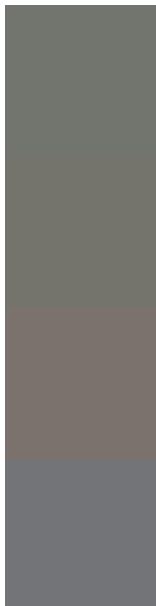
17.6619, 17.3813, 17.1759



Tritanopia

16.8391, 17.3615, 21.5324

Trichromacy



Original Color

15.9317, 17.3374, 16.9748

Protanomaly

16.2883, 17.3554, 16.6788

Deuteranomaly

17.0002, 17.3714, 17.2089

Tritanomaly

16.5146, 17.4001, 19.9409

Monochromacy



Original Color

15.9317, 17.3374, 16.9748

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

16.1655, 17.2604, 18.1024

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.9317, 17.3374, 16.9748 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(113, 117, 109)` looks like.

```
.text, #text, p{  
    color:rgb(113, 117, 109)  
}
```

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(113, 117, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 117, 109) }
```

Border

The CSS property to change the border of an element to XYZ 15.9317, 17.3374, 16.9748 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(113, 117, 109) }
```


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

```
.border{ border-color:rgb(113, 117, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 117, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 117, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 117, 109);  
box-shadow:4px 4px 4px 4px rgb(113, 117,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 15.9317, 17.3374, 16.9748 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 117, 109) }
```

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

```
.background{ background-color: rgb(113,  
117, 109) }
```

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