

Converting Colors

XYZ(16.3768, 17.9850, 16.5950)

Have a look what the booklet for
XYZ(16.3768, 17.9850, 16.5950)
contains.

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Color

**XYZ(16.3209, 17.9000,
16.5048)**

Conversions

Conversions Part 1

Format	Color
Hex	73776B
RGB	115, 119, 107
RGB Percent	45%, 47%, 42%
CMY	0.5490, 0.5333, 0.5804
CMYK	0.03, 0.00, 0.10, 0.53
HSL	80°, 5%, 44%
HSV	80°, 10%, 47%
XYZ	16.3209, 17.9000, 16.5048
YIQ	116.4360, 1.4680, -4.5800

Conversions

Conversions Part 2

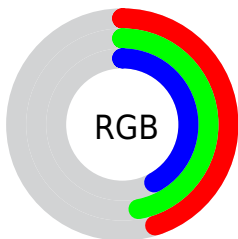
Format	Color
R_{YB}	107, 119, 111
Decimal	7567211
CIE Lab	49.37, -3.88, 6.08
CIE LCh	49, 7.208, 122.535
Yxy	17.9000, 0.3217, 0.3529
Android (android.graphics.Color)	4285757291 (0xFF73776B)
YUV	116.4360, -4.6519, -1.2594
Hunter-Lab	42.3084, -5.1815, 6.4864

Details

The XYZ color **16.3209, 17.9000, 16.5048** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.1437, 15.2273, 19.5947**, and the grayscale version is **16.7483, 17.6205, 19.1888**.

A 20% lighter version of the original color is **36.6708, 39.8099, 38.0991**, and **5.3836, 6.0260, 5.1544** is the 20% darker color. If you saturate the color by 10%, you get **15.2269, 17.4040, 13.4073**, and if you desaturate by 10%, it is **17.5245, 18.4436, 20.0581**.

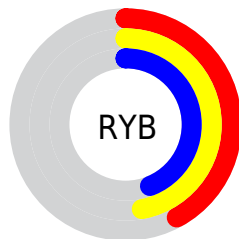
Distribution



Red (45%)

Green (47%)

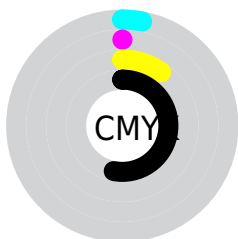
Blue (42%)



Red (42%)

Yellow (47%)

Blue (44%)

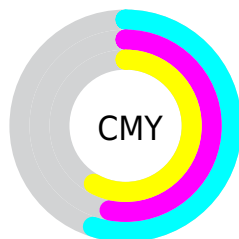


Cyan (3%)

Magenta (0%)

Yellow (10%)

Black (53%)



Cyan (55%)

Magenta (53%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.3209, 17.9000, 16.5048 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 16.3209, 17.9000, 16.5048 by changing the saturation by 10% instead.

■ 16.3209, 17.9000,
16.5048

■ 16.3209, 17.9000,
16.5048

224.4613,
240.3068, 244.2489

■ 9.8438, 10.8782,
9.7239

■ 36.7074, 39.8669,
38.2513

■ 5.3570, 5.9850,
5.1130

■ 51.3475, 55.5807,
54.0539

■ 2.4951, 2.8360,
2.2538

■ 69.4393, 74.9607,
73.7008

■ 0.8928, 1.0467,
0.7052

■ 91.3481, 98.3913,
97.6106

■ 0.0000, 0.0000,
0.0000

117.4394,
126.2568, 126.2017

148.0784,

158.9416, 159.8928

183.6306,
196.8301, 199.1023

■ 16.3209, 17.9000,
16.5048

■ 16.3209, 17.9000,
16.5048

■ 15.2269, 17.4040,
13.4073

■ 17.5245, 18.4436,
20.0581

■ 14.2374, 16.9517,
10.7459

■ 18.8399, 19.0340,
24.0833

■ 13.3487, 16.5424,
8.5013

■ 20.2709, 19.6733,
28.5973

■ 12.5565, 16.1741,
6.6524

■ 21.8208, 20.3628,
33.6158

■ 11.8563, 15.8451,
5.1760

■ 23.4926, 21.1038,
39.1538

■ 11.2427, 15.5531,
4.0467

■ 25.2894, 21.8976,
45.2256

■ 10.7102, 15.2960,
3.2358

■ 27.2140, 22.7452,
51.8450

■ 10.2521, 15.0710,
2.7101

■ 29.2693, 23.6479,
59.0253

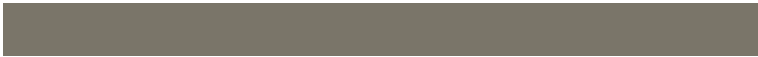
■ 9.8483, 14.8703,
2.3512

■ 31.4578, 24.6068,
66.7793

Harmonies

Analogous

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



16.9557, 17.9000, 15.9883



16.3209, 17.9000, 16.5048



15.8811, 17.9000, 17.8160

Triad

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



16.3209, 17.9000, 16.5048



16.4184, 17.9000, 22.9994



18.3513, 17.9000, 19.3252

Complementary

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



16.3209, 17.9000, 16.5048



15.1437, 15.2273, 19.5947

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.



18.1983, 17.9000, 21.2658



16.3209, 17.9000, 16.5048



17.0712, 17.9000, 23.4690

Square

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



16.3209, 17.9000, 16.5048



15.9363, 17.9000, 21.5708



17.7252, 17.9000, 22.8152



18.1380, 17.9000, 17.5476

Rectangle

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



16.3209, 17.9000, 16.5048



15.7515, 17.9000, 19.0083



17.7252, 17.9000, 22.8152



18.3410, 17.9000, 19.9799

Sweetspot

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



16.3214, 17.9008, 16.5052



30.7148, 32.7262, 33.9265



15.9467, 16.3529, 16.2262



7.2417, 7.7389, 7.9292



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.



16.3214, 17.9008, 16.5052



28.7740, 31.8492, 28.2543



15.5579, 17.5072, 16.4695



3.8537, 4.2080, 3.9514



10.4524, 15.7927, 2.4974



49.9997, 76.4775, 12.1264

Inverse Universe

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



15.1437, 15.2273, 19.5947



26.2384, 26.0928, 34.9066



15.9242, 15.6297, 19.6312



3.6051, 3.6437, 4.6035



4.4448, 1.8827, 18.6717



20.8363, 8.7500, 90.9510

Previews

White Background



This preview shows how the XYZ color 16.3209, 17.9000, 16.5048 looks on a white background.

Color Contrast Check

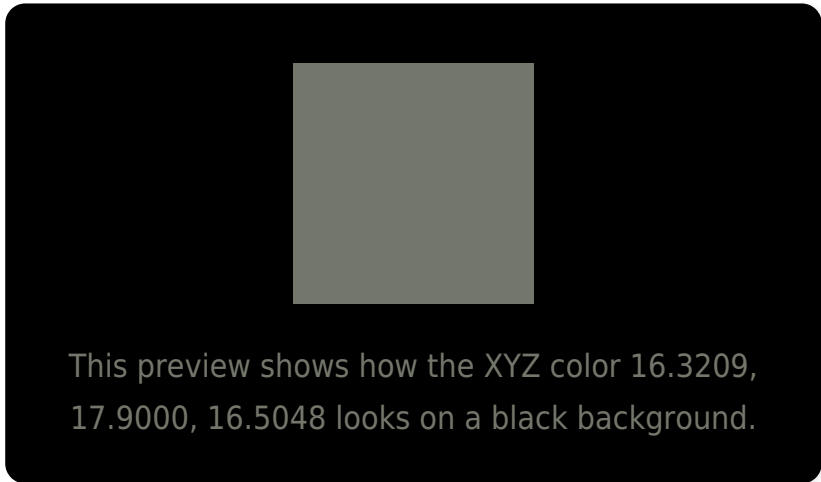
Large Text (above 18pt) WCAG AA ✓ Pass

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 ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

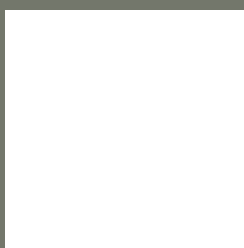
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.3209, 17.9000, 16.5048

Background



This preview shows how black text looks on a background with the XYZ color 16.3209, 17.9000, 16.5048.



This preview shows how white text looks on a background with the XYZ color 16.3209, 17.9000,

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

16.3209, 17.9000, 16.5048

Protanopia

16.9888, 17.9008, 16.1955

Deuteranopia

18.1276, 17.7985, 16.6674



Tritanopia

17.4183, 17.8230, 21.9242

Trichromacy



Original Color

16.3209, 17.9000, 16.5048

Protanomaly

16.6877, 17.9194, 16.2149

Deuteranomaly

17.4417, 17.7798, 16.6999

Tritanomaly

16.9674, 17.8125, 19.6834

Monochromacy



Original Color

16.3209, 17.9000, 16.5048

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

16.5444, 17.6278, 18.1533

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.3209, 17.9000, 16.5048 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(115, 119, 107)` looks like.

```
.text, #text, p{  
    color:rgb(115, 119, 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(115, 119, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 119, 107) }
```

Border

The CSS property to change the border of an element to XYZ 16.3209, 17.9000, 16.5048 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(115, 119, 107) }
```


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

```
.border{ border-color:rgb(115, 119, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 119, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 119, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 119, 107);  
box-shadow:4px 4px 4px 4px rgb(115, 119,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 16.3209, 17.9000, 16.5048 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 119, 107) }
```

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

```
.background{ background-color: rgb(115,  
119, 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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