

Converting Colors

XYZ(16.8627, 16.3067, 16.4091)

Have a look what the booklet for
XYZ(16.8627, 16.3067, 16.4091)
contains.

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Color

**XYZ(16.8217, 16.3199,
16.4508)**

Conversions

Conversions Part 1

Format	Color
Hex	7F6C6C
RGB	127, 108, 108
RGB Percent	50%, 42%, 42%
CMY	0.5020, 0.5765, 0.5765
CMYK	0.00, 0.15, 0.15, 0.50
HSL	0°, 8%, 46%
HSV	0°, 15%, 50%
XYZ	16.8217, 16.3199, 16.4508
YIQ	113.6810, 11.3240, 4.0280

Conversions

Conversions Part 2

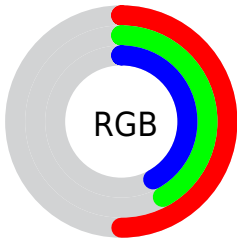
Format	Color
R _Y B	127, 108, 108
Decimal	8350828
CIE Lab	47.39, 7.49, 2.77
CIE LCh	47, 7.983, 20.331
Yxy	16.3199, 0.3392, 0.3291
Android (android.graphics.Color)	4286540908 (0xFF7F6C6C)
YUV	113.6810, -2.8007, 11.6808
Hunter-Lab	40.3979, 3.6312, 4.1345

Details

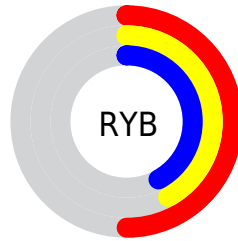
The XYZ color **16.8217, 16.3199, 16.4508** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **17.6042, 19.8985, 22.9916**, and the grayscale version is **15.9049, 16.7332, 18.2224**.

A 20% lighter version of the original color is **37.4785, 37.0028, 37.9678**, and **5.6529, 5.2941, 5.1388** is the 20% darker color. If you saturate the color by 10%, you get **14.9514, 13.5833, 12.7321**, and if you desaturate by 10%, it is **18.9864, 19.4875, 20.7539**.

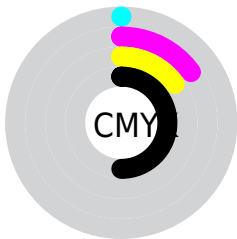
Distribution



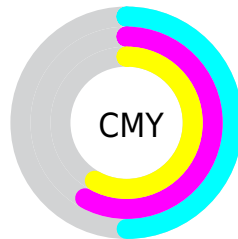
- Red (50%)
- Green (42%)
- Blue (42%)



- Red (50%)
- Yellow (42%)
- Blue (42%)



- Cyan (0%)
- Magenta (15%)
- Yellow (15%)
- Black (50%)



- Cyan (50%)
- Magenta (58%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.8217, 16.3199, 16.4508 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 16.8217, 16.3199, 16.4508 by changing the saturation by 10% instead.

■ 16.8217, 16.3199,
16.4508

■ 16.8217, 16.3199,
16.4508

227.3191,
231.2220, 243.9232

■ 10.2020, 9.7508,
9.6859

■ 37.5650, 37.1527,
38.1567

■ 5.5964, 5.2340,
5.0883

■ 52.4193, 52.1852,
53.9348

■ 2.6395, 2.3852,
2.2395

■ 70.7491, 70.8075,
73.5543

■ 0.9661, 0.8183,
0.6970

■ 92.9199, 93.4042,
97.4339

■ 0.0000, 0.0000,
0.0000

119.2969,
120.3597, 125.9920

150.2455,

152.0582, 159.6472

186.1312,
188.8842, 198.8181

■ 16.8217, 16.3199,
16.4508

■ 16.8217, 16.3199,
16.4508

■ 14.9514, 13.5833,
12.7321

■ 18.9864, 19.4875,
20.7539

■ 13.3617, 11.2570,
9.5716

■ 21.4562, 23.1013,
25.6639

■ 12.0392, 9.3219,
6.9427

■ 24.2425, 27.1785,
31.2035

■ 10.9695, 7.7566,
4.8162

■ 27.3562, 31.7345,
37.3939

■ 10.1364, 6.5375,
3.1601

■ 30.8074, 36.7843,
44.2552

■ 9.5219, 5.6383,
1.9388

■ 34.6057, 42.3421,
51.8068

■ 9.1057, 5.0291,
1.1114

■ 38.7605, 48.4215,
60.0671

■ 8.8571, 4.6654,
0.6175

■ 43.2807, 55.0356,
69.0541

■ 8.7526, 4.5124,
0.4097

■ 48.1751, 62.1971,
78.7849

Harmonies

Analogous

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



16.8908, 16.3199, 18.4316



16.8217, 16.3199, 16.4508



16.3958, 16.3199, 14.9378

Triad

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



16.8217, 16.3199, 16.4508



14.4884, 16.3199, 15.3981



15.2843, 16.3199, 21.8910

Complementary

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



16.8217, 16.3199, 16.4508



17.6042, 19.8985, 22.9916

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.



14.6598, 16.3199, 20.9384



16.8217, 16.3199, 16.4508



14.2095, 16.3199, 17.1236

Square

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



16.8217, 16.3199, 16.4508



15.0440, 16.3199, 14.3628



14.2713, 16.3199, 19.1571



15.9888, 16.3199, 21.6765

Rectangle

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



16.8217, 16.3199, 16.4508



15.9737, 16.3199, 14.3495



14.2713, 16.3199, 19.1571



15.0584, 16.3199, 21.6941

Sweetspot

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



16.8222, 16.3206, 16.4511



34.3609, 35.4253, 37.8823



17.9458, 16.7696, 22.3697



7.9799, 8.1991, 8.7403



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



16.8222, 16.3206, 16.4511



28.9042, 27.4408, 27.0341



17.8790, 18.4343, 16.8034



4.3278, 4.3444, 4.5306



8.8273, 4.5509, 0.4132



0.0000, 0.0000, 0.0000

Inverse Universe

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



17.6042, 19.8985, 22.9916



30.5896, 35.1512, 41.1289



16.4350, 17.5600, 22.6019



4.4464, 4.8868, 5.5222



11.5151, 16.8487, 22.8952



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 16.8217, 16.3199, 16.4508 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 16.8217, 16.3199, 16.4508 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

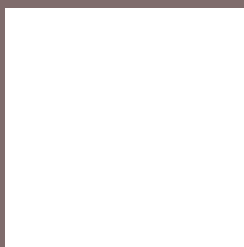
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.8217, 16.3199, 16.4508

Background



This preview shows how black text looks on a background with the XYZ color 16.8217, 16.3199, 16.4508.



This preview shows how white text looks on a background with the XYZ color 16.8217, 16.3199,

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

16.8217, 16.3199, 16.4508

Protanopia

15.6789, 16.3590, 17.0831

Deuteranopia

16.6329, 16.3800, 16.4724



Tritanopia

17.2543, 16.3424, 18.4647

Trichromacy



Original Color

16.8217, 16.3199, 16.4508

Protanomaly

16.0525, 16.3949, 16.7865

Deuteranomaly

16.7796, 16.4556, 16.4792

Tritanomaly

17.0844, 16.2744, 17.5701

Monochromacy



Original Color

16.8217, 16.3199, 16.4508

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

16.3265, 16.6801, 17.6883

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8217, 16.3199, 16.4508 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(127, 108, 108)` looks like.

```
.text, #text, p{  
    color:rgb(127, 108, 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(127, 108, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 108, 108) }
```

Border

The CSS property to change the border of an element to XYZ 16.8217, 16.3199, 16.4508 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(127, 108, 108) }
```


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

```
.border{ border-color:rgb(127, 108, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 108, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 108, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 108, 108);  
box-shadow:4px 4px 4px 4px rgb(127, 108,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 16.8217, 16.3199, 16.4508 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 108, 108) }
```

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

```
.background{ background-color: rgb(127,  
108, 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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