

Converting Colors

XYZ(16.5037, 16.8879, 16.0259)

Have a look what the booklet for
XYZ(16.5037, 16.8879, 16.0259)
contains.

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Color

**XYZ(16.4217, 16.7665,
16.0064)**

Conversions

Conversions Part 1

Format	Color
Hex	7A706A
RGB	122, 112, 106
RGB Percent	48%, 44%, 42%
CMY	0.5216, 0.5608, 0.5843
CMYK	0.00, 0.08, 0.13, 0.52
HSL	23°, 7%, 45%
HSV	23°, 13%, 48%
XYZ	16.4217, 16.7665, 16.0064
YIQ	114.3060, 7.8860, 0.2540

Conversions

Conversions Part 2

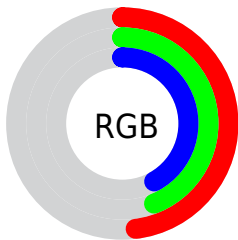
Format	Color
R_{YB}	122, 116, 106
Decimal	8024170
CIE _{Lab}	47.96, 2.77, 4.73
CIE _{LCh}	48, 5.482, 59.619
Yxy	16.7665, 0.3338, 0.3408
Android (android.graphics.Color)	4286214250 (0xFF7A706A)
YUV	114.3060, -4.0949, 6.7476
Hunter-Lab	40.9469, -0.0699, 5.4860

Details

The XYZ color **16.4217, 16.7665, 16.0064** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.7020, 16.9597, 20.8584**, and the grayscale version is **16.0967, 16.9350, 18.4422**.

A 20% lighter version of the original color is **36.8168, 37.9839, 37.2895**, and **5.3705, 5.3990, 4.8967** is the 20% darker color. If you saturate the color by 10%, you get **15.0262, 14.9195, 12.6306**, and if you desaturate by 10%, it is **17.9797, 18.7936, 19.8821**.

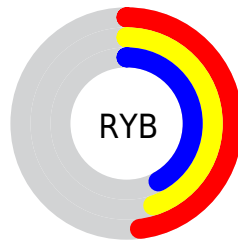
Distribution



Red (48%)

Green (44%)

Blue (42%)



Red (48%)

Yellow (45%)

Blue (42%)

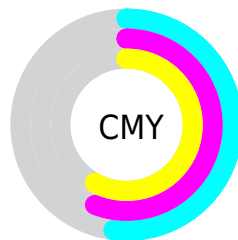


Cyan (0%)

Magenta (8%)

Yellow (13%)

Black (52%)



Cyan (52%)

Magenta (56%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.4217, 16.7665, 16.0064 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 16.4217, 16.7665, 16.0064 by changing the saturation by 10% instead.

■ 16.4217, 16.7665,
16.0064

■ 16.4217, 16.7665,
16.0064

225.0392,
233.8232, 241.2265

■ 9.9158, 10.0682,
9.3743

■ 36.8803, 37.9239,
37.3763

■ 5.4050, 5.4442,
4.8860

■ 51.5637, 53.1517,
52.9511

■ 2.5240, 2.5102,
2.1229

■ 69.7037, 71.9914,
72.3439

■ 0.9074, 0.8817,
0.6294

■ 91.6656, 94.8275,
95.9732

■ 0.0000, 0.0000,
0.0000

117.8147,
122.0444, 124.2576

148.5164,

154.0263, 157.6156

184.1362,
191.1578, 196.4657

■ 16.4217, 16.7665,
16.0064

■ 16.4217, 16.7665,
16.0064

■ 15.0262, 14.9195,
12.6306

■ 17.9797, 18.7936,
19.8821

■ 13.7862, 13.2452,
9.7332

■ 19.7040, 21.0034,
24.2760

■ 12.6963, 11.7393,
7.2924

■ 21.6000, 23.4011,
29.2068

■ 11.7501, 10.3960,
5.2845

■ 23.6727, 25.9914,
34.6919

■ 10.9410, 9.2096,
3.6837

■ 25.9266, 28.7784,
40.7480

■ 10.2615, 8.1736,
2.4611

■ 28.3661, 31.7663,
47.3910

■ 9.7033, 7.2814,
1.5842

■ 30.9954, 34.9591,
54.6361

■ 9.2567, 6.5252,
1.0128

■ 33.8188, 38.3609,
62.4982

■ 8.9941, 6.0736,
0.6983

■ 36.8401, 41.9753,
70.9914

Harmonies

Analogous

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



16.7769, 16.7665, 16.9431



16.4217, 16.7665, 16.0064



15.9424, 16.7665, 15.6664

Triad

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



16.4217, 16.7665, 16.0064



15.0042, 16.7665, 18.2378



16.4105, 16.7665, 20.7265

Complementary

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



16.4217, 16.7665, 16.0064



15.7020, 16.9597, 20.8584

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.



15.9297, 16.7665, 21.1160



16.4217, 16.7665, 16.0064



15.1238, 16.7665, 19.6348

Square

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



16.4217, 16.7665, 16.0064



15.1299, 16.7665, 16.9132



15.4601, 16.7665, 20.7068



16.7703, 16.7665, 19.6677

Rectangle

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



16.4217, 16.7665, 16.0064



15.6190, 16.7665, 15.8095



15.4601, 16.7665, 20.7068



16.2574, 16.7665, 20.9424

Sweetspot

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



16.4222, 16.7672, 16.0068



31.3495, 32.6991, 34.2689



16.3404, 15.7099, 18.7349



7.1266, 7.4230, 7.7313



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

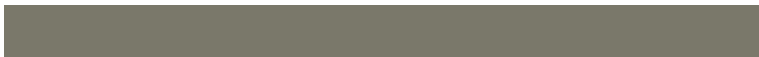
The Same Dimension uses a secret algorithm to generate beautiful new colors.



16.4222, 16.7672, 16.0068



28.0571, 28.4008, 26.1225



17.3281, 18.5792, 16.3088



4.1101, 4.2386, 4.2260



9.4617, 6.3793, 0.7326



44.3739, 28.9112, 3.2417

Inverse Universe

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



15.7020, 16.9597, 20.8584



26.5080, 28.8144, 36.5575



14.8335, 15.2228, 20.5690



3.9867, 4.2716, 5.0576



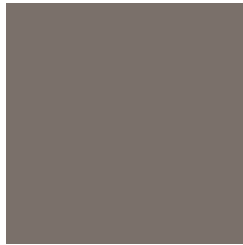
6.4282, 6.9388, 20.3858



29.8252, 31.4231, 96.9631

Previews

White Background



This preview shows how the XYZ color 16.4217, 16.7665, 16.0064 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 16.4217, 16.7665, 16.0064 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 16.4217, 16.7665, 16.0064

Background



This preview shows how black text looks on a background with the XYZ color 16.4217, 16.7665, 16.0064.



This preview shows how white text looks on a background with the XYZ color 16.4217, 16.7665,

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

16.4217, 16.7665, 16.0064

Protanopia

16.0302, 16.7233, 16.2930

Deuteranopia

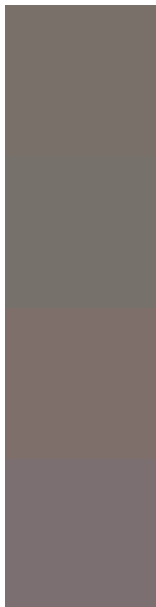
17.0795, 16.7817, 15.9747



Tritanopia

17.2179, 16.7689, 19.7820

Trichromacy



Original Color

16.4217, 16.7665, 16.0064

Protanomaly

16.1667, 16.7937, 16.2994

Deuteranomaly

16.8901, 16.8451, 15.9969

Tritanomaly

16.8901, 16.7947, 18.2711

Monochromacy



Original Color

16.4217, 16.7665, 16.0064

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

16.1105, 16.7399, 17.4209

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.4217, 16.7665, 16.0064 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(122, 112, 106)` looks like.

```
.text, #text, p{  
    color:rgb(122, 112, 106)  
}
```

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(122, 112, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 112, 106) }
```

Border

The CSS property to change the border of an element to XYZ 16.4217, 16.7665, 16.0064 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(122, 112, 106) }
```


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

```
.border{ border-color:rgb(122, 112, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 112, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 112, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 112, 106);  
box-shadow:4px 4px 4px 4px rgb(122, 112,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 16.4217, 16.7665, 16.0064 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 112, 106) }
```

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

```
.background{ background-color: rgb(122,  
112, 106) }
```

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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