

Converting Colors

XYZ(16.3227, 16.6257, 15.8850)

Have a look what the booklet for
XYZ(16.3227, 16.6257, 15.8850)
contains.

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Color

**XYZ(16.3120, 16.5471,
15.9698)**

Conversions

Conversions Part 1

Format	Color
Hex	7A6F6A
RGB	122, 111, 106
RGB Percent	48%, 44%, 42%
CMY	0.5216, 0.5647, 0.5843
CMYK	0.00, 0.09, 0.13, 0.52
HSL	19°, 7%, 45%
HSV	19°, 13%, 48%
XYZ	16.3120, 16.5471, 15.9698
YIQ	113.7190, 8.1610, 0.7770

Conversions

Conversions Part 2

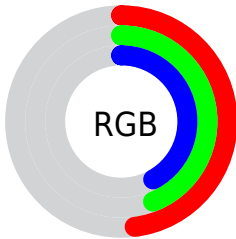
Format	Color
R_{YB}	122, 113, 106
Decimal	8023914
CIE _{Lab}	47.68, 3.36, 4.33
CIE _{LCh}	48, 5.478, 52.177
Yxy	16.5471, 0.3341, 0.3389
Android (android.graphics.Color)	4286213994 (0xFF7A6F6A)
YUV	113.7190, -3.8055, 7.2624
Hunter-Lab	40.6781, 0.3921, 5.1981

Details

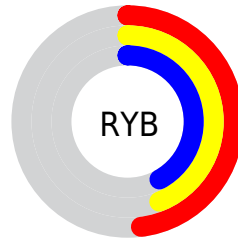
The XYZ color **16.3120, 16.5471, 15.9698** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.8178, 17.1914, 20.8971**, and the grayscale version is **15.9198, 16.7489, 18.2395**.

A 20% lighter version of the original color is **36.6386, 37.6274, 37.2300**, and **5.3146, 5.2872, 4.8781** is the 20% darker color. If you saturate the color by 10%, you get **14.8499, 14.5668, 12.5718**, and if you desaturate by 10%, it is **17.9512, 18.7368, 19.8726**.

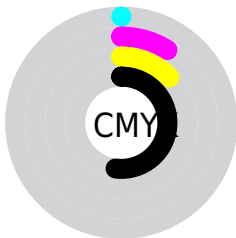
Distribution



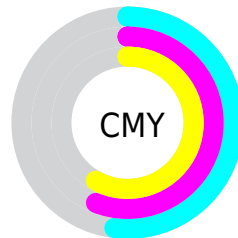
- Red (48%)
- Green (44%)
- Blue (42%)



- Red (48%)
- Yellow (44%)
- Blue (42%)



- Cyan (0%)
- Magenta (9%)
- Yellow (13%)
- Black (52%)



- Cyan (52%)
- Magenta (56%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.3120, 16.5471, 15.9698 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 16.3120, 16.5471, 15.9698 by changing the saturation by 10% instead.

■ 16.3120, 16.5471,
15.9698

■ 16.3120, 16.5471,
15.9698

224.4102,
232.5488, 241.0031

■ 9.8374, 9.9121,
9.3487

■ 36.6921, 37.5454,
37.3118

■ 5.3528, 5.3407,
4.8694

■ 51.3284, 52.6776,
52.8698

■ 2.4926, 2.4485,
2.1134

■ 69.4159, 71.4109,
72.2438

■ 0.8915, 0.8507,
0.6237

■ 91.3201, 94.1297,
95.8524

■ 0.0000, 0.0000,
0.0000

117.4062,
121.2186, 124.1140

148.0397,

153.0617, 157.4473

183.5859,
190.0437, 196.2708

■ 16.3120, 16.5471,
15.9698

■ 16.3120, 16.5471,
15.9698

■ 14.8499, 14.5668,
12.5718

■ 17.9512, 18.7368,
19.8726

■ 13.5573, 12.7875,
9.6569

■ 19.7721, 21.1396,
24.2987

■ 12.4283, 11.2034,
7.2031

■ 21.7805, 23.7620,
29.2669

■ 11.4559, 9.8076,
5.1864

■ 23.9818, 26.6095,
34.7949

■ 10.6326, 8.5927,
3.5808

■ 26.3811, 29.6874,
40.8995

■ 9.9501, 7.5508,
2.3573

■ 28.9833, 33.0008,
47.5967

■ 9.3994, 6.6736,
1.4829

■ 31.7931, 36.5545,
54.9019

■ 8.9698, 5.9514,
0.9172

■ 34.8151, 40.3535,
62.8302

■ 8.7239, 5.5332,
0.6082

■ 38.0537, 44.4024,
71.3959

Harmonies

Analogous

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



16.6156, 16.5471, 17.0182



16.3120, 16.5471, 15.9698



15.8560, 16.5471, 15.4754

Triad

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



16.3120, 16.5471, 15.9698



14.8131, 16.5471, 17.6524



16.0856, 16.5471, 20.6312

Complementary

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



16.3120, 16.5471, 15.9698



15.8178, 17.1914, 20.8971

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.



15.5997, 16.5471, 20.8226



16.3120, 16.5471, 15.9698



14.8716, 16.5471, 19.0541

Square

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



16.3120, 16.5471, 15.9698



14.9954, 16.5471, 16.4135



15.1572, 16.5471, 20.2320



16.4830, 16.5471, 19.7217

Rectangle

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



16.3120, 16.5471, 15.9698



15.5298, 16.5471, 15.5076



15.1572, 16.5471, 20.2320



15.9270, 16.5471, 20.7835

Sweetspot

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



16.3125, 16.5478, 15.9702



31.2843, 32.5688, 34.2472



16.4029, 15.7349, 19.0641



7.1094, 7.3887, 7.7256



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

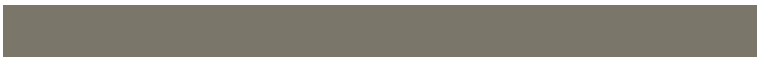
The Same Dimension uses a secret algorithm to generate beautiful new colors.



16.3125, 16.5478, 15.9702



27.8230, 27.9326, 26.0445



17.2008, 18.3244, 16.2663



4.0911, 4.2007, 4.2197



9.1779, 5.8117, 0.6380



43.0993, 26.3620, 2.8168

Inverse Universe

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



15.8178, 17.1914, 20.8971



26.7589, 29.3163, 36.6412



14.9469, 15.4495, 20.6068



4.0064, 4.3110, 5.0641



7.0168, 8.1161, 20.5820



32.6849, 37.1424, 97.9163

Previews

White Background



This preview shows how the XYZ color 16.3120, 16.5471, 15.9698 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 16.3120, 16.5471, 15.9698 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

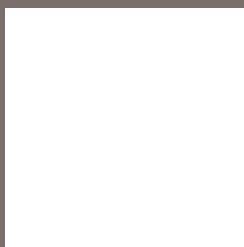
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.3120, 16.5471, 15.9698

Background



This preview shows how black text looks on a background with the XYZ color 16.3120, 16.5471, 15.9698.



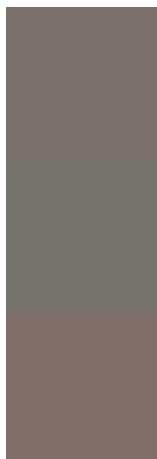
This preview shows how white text looks on a background with the XYZ color 16.3120, 16.5471,

15.9698.

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

16.3120, 16.5471, 15.9698

Protanopia

15.8951, 16.6537, 16.2866

Deuteranopia

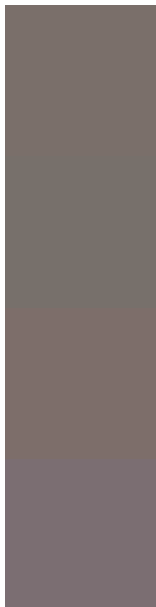
16.8226, 16.4899, 15.9319



Tritanopia

17.0508, 16.5304, 19.4315

Trichromacy



Original Color

16.3120, 16.5471, 15.9698

Protanomaly

16.0558, 16.5718, 16.2624

Deuteranomaly

16.6349, 16.5524, 15.9539

Tritanomaly

16.7816, 16.5777, 18.2349

Monochromacy



Original Color

16.3120, 16.5471, 15.9698

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 16.3120, 16.5471, 15.9698 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, 111, 106)` looks like.

```
.text, #text, p{  
    color:rgb(122, 111, 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, 111, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 111, 106) }
```

Border

The CSS property to change the border of an element to XYZ 16.3120, 16.5471, 15.9698 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, 111, 106) }
```


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

```
.border{ border-color:rgb(122, 111, 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, 111, 106) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 111, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 111, 106);  
box-shadow:4px 4px 4px 4px rgb(122, 111,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 16.3120, 16.5471, 15.9698 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 111, 106) }
```

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

```
.background{ background-color: rgb(122,  
111, 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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