

Converting Colors

XYZ(16.2205, 16.4758, 16.2630)

Have a look what the booklet for
XYZ(16.2205, 16.4758, 16.2630)
contains.

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Color

**XYZ(16.2234, 16.4954,
16.2388)**

Conversions

Conversions Part 1

Format	Color
Hex	796F6B
RGB	121, 111, 107
RGB Percent	47%, 44%, 42%
CMY	0.5255, 0.5647, 0.5804
CMYK	0.00, 0.08, 0.12, 0.53
HSL	17°, 6%, 45%
HSV	17°, 12%, 47%
XYZ	16.2234, 16.4954, 16.2388
YIQ	113.5340, 7.2440, 0.8760

Conversions

Conversions Part 2

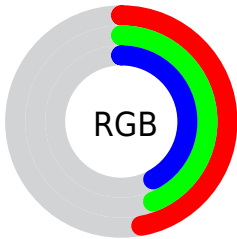
Format	Color
R_{YB}	121, 113, 107
Decimal	7958379
CIE Lab	47.62, 3.14, 3.62
CIE LCh	48, 4.796, 49.078
Yxy	16.4954, 0.3314, 0.3369
Android (android.graphics.Color)	4286148459 (0xFF796F6B)
YUV	113.5340, -3.2213, 6.5477
Hunter-Lab	40.6145, 0.2261, 4.7244

Details

The XYZ color **16.2234, 16.4954, 16.2388** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.8757, 17.2283, 20.5778**, and the grayscale version is **15.8630, 16.6891, 18.1745**.

A 20% lighter version of the original color is **36.5023, 37.5472, 37.6712**, and **5.2656, 5.2590, 5.0125** is the 20% darker color. If you saturate the color by 10%, you get **14.7333, 14.4636, 12.8181**, and if you desaturate by 10%, it is **17.8947, 18.7467, 20.1599**.

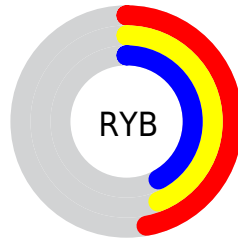
Distribution



Red (47%)

Green (44%)

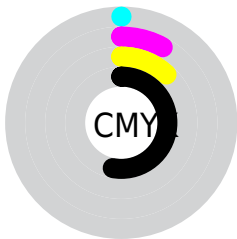
Blue (42%)



Red (47%)

Yellow (44%)

Blue (42%)

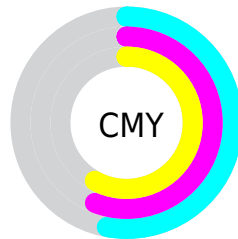


Cyan (0%)

Magenta (8%)

Yellow (12%)

Black (53%)



Cyan (53%)

Magenta (56%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.2234, 16.4954, 16.2388 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 16.2234, 16.4954, 16.2388 by changing the saturation by 10% instead.

■ 16.2234, 16.4954,
16.2388

■ 16.2234, 16.4954,
16.2388

223.9009,
232.2475, 242.6404

■ 9.7742, 9.8754,
9.5371

■ 36.5399, 37.4561,
37.7848

■ 5.3106, 5.3164,
4.9916

■ 51.1380, 52.5656,
53.4662

■ 2.4673, 2.4341,
2.1837

■ 69.1831, 71.2738,
72.9780

■ 0.8788, 0.8433,
0.6649

■ 91.0405, 93.9649,
96.7386

■ 0.0000, 0.0000,
0.0000

117.0756,
121.0234, 125.1666

147.6539,

152.8338, 158.6805

183.1405,
189.7803, 197.6989

■ 16.2234, 16.4954,
16.2388

■ 16.2234, 16.4954,
16.2388

■ 14.7333, 14.4636,
12.8181

■ 17.8947, 18.7467,
20.1599

■ 13.4169, 12.6426,
9.8765

■ 19.7518, 21.2217,
24.5994

■ 12.2679, 11.0260,
7.3927

■ 21.8009, 23.9272,
29.5757

■ 11.2792, 9.6065,
5.3434

■ 24.0473, 26.8690,
35.1060

■ 10.4433, 8.3764,
3.7032

■ 26.4962, 30.0527,
41.2067

■ 9.7519, 7.3272,
2.4442

■ 29.1526, 33.4838,
47.8937

■ 9.1959, 6.4500,
1.5347

■ 32.0215, 37.1674,
55.1819

■ 8.7647, 5.7347,
0.9379

■ 35.1073, 41.1089,
63.0861

■ 8.4744, 5.2433,
0.5654

■ 38.4146, 45.3129,
71.6202

Harmonies

Analogous

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



16.4687, 16.4954, 17.2016



16.2234, 16.4954, 16.2388



15.8348, 16.4954, 15.7454

Triad

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



16.2234, 16.4954, 16.2388



14.8845, 16.4954, 17.5180



15.9488, 16.4954, 20.2804

Complementary

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



16.2234, 16.4954, 16.2388



15.8757, 17.2283, 20.5778

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.



15.5230, 16.4954, 20.3745



16.2234, 16.4954, 16.2388



14.9138, 16.4954, 18.7417

Square

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



16.2234, 16.4954, 16.2388



15.0650, 16.4954, 16.4613



15.1457, 16.4954, 19.8002



16.3082, 16.4954, 19.5484

Rectangle

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



16.2234, 16.4954, 16.2388



15.5490, 16.4954, 15.7334



15.1457, 16.4954, 19.8002



15.8085, 16.4954, 20.3889

Sweetspot

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



16.2239, 16.4961, 16.2392



31.5732, 32.9383, 34.9855



16.3558, 15.8657, 19.0403



7.1686, 7.4634, 7.8798



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

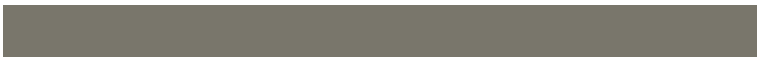
The Same Dimension uses a secret algorithm to generate beautiful new colors.



16.2239, 16.4961, 16.2392



28.2786, 28.4896, 27.2885



17.0136, 18.0756, 16.5024



4.0830, 4.1845, 4.2170



9.0727, 5.6014, 0.6030



42.6370, 25.4374, 2.6627

Inverse Universe

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



15.8757, 17.2283, 20.5778



27.5192, 30.0859, 36.7496



15.0943, 15.6655, 20.3173



4.0148, 4.3280, 5.0670



7.2896, 8.6617, 20.6730



34.0182, 39.8090, 98.3607

Previews

White Background



This preview shows how the XYZ color 16.2234, 16.4954, 16.2388 looks on a white background.

Color Contrast Check

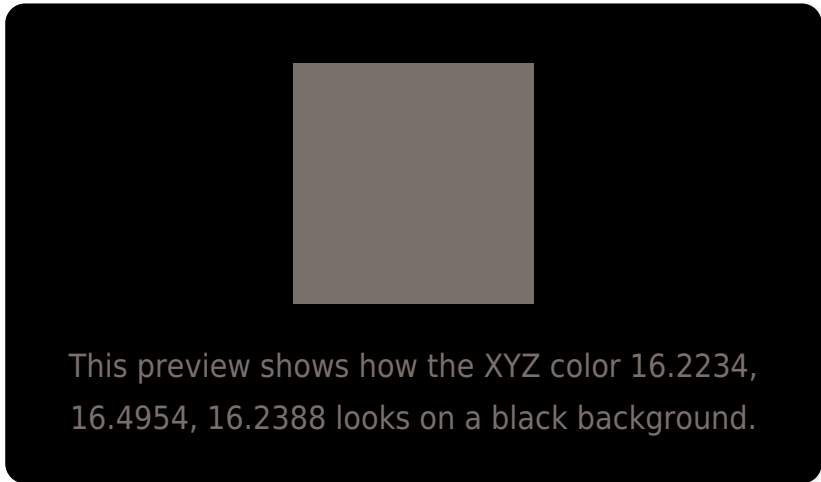
Large Text (above 18pt) WCAG AA ✓ Pass

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 × Fail

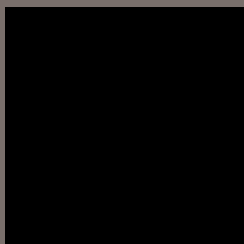
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.2234, 16.4954, 16.2388

Background



This preview shows how black text looks on a background with the XYZ color 16.2234, 16.4954, 16.2388.



This preview shows how white text looks on a background with the XYZ color 16.2234, 16.4954,

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

16.2234, 16.4954, 16.2388

Protanopia

15.8144, 16.6060, 16.5591

Deuteranopia

16.7267, 16.4344, 16.2005



Tritanopia

16.7647, 16.3829, 19.4182

Trichromacy



Original Color

16.2234, 16.4954, 16.2388

Protanomaly

15.9722, 16.5226, 16.5347

Deuteranomaly

16.5420, 16.4985, 16.2226

Tritanomaly

16.6392, 16.5043, 18.2283

Monochromacy



Original Color

16.2234, 16.4954, 16.2388

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 16.2234, 16.4954, 16.2388 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(121, 111, 107)` looks like.

```
.text, #text, p{  
    color:rgb(121, 111, 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(121, 111, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 111, 107) }
```

Border

The CSS property to change the border of an element to XYZ 16.2234, 16.4954, 16.2388 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(121, 111, 107) }
```


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

```
.border{ border-color:rgb(121, 111, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 111, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 111, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 111, 107);  
box-shadow:4px 4px 4px 4px rgb(121, 111,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 16.2234, 16.4954, 16.2388 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 111, 107) }
```

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

```
.background{ background-color: rgb(121,  
111, 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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