

Converting Colors

XYZ(16.6622, 16.1863, 8.4925)

Have a look what the booklet for
XYZ(16.6622, 16.1863, 8.4925)
contains.

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Color

**XYZ(16.7768, 16.3148,
8.5682)**

Conversions

Conversions Part 1

Format	Color
Hex	896B49
RGB	137, 107, 73
RGB Percent	54%, 42%, 29%
CMY	0.4627, 0.5804, 0.7137
CMYK	0.00, 0.22, 0.47, 0.46
HSL	32°, 30%, 41%
HSV	32°, 47%, 54%
XYZ	16.7768, 16.3148, 8.5682
YIQ	112.0940, 28.7940, -4.2140

Conversions

Conversions Part 2

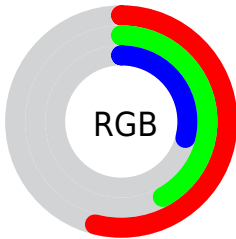
Format	Color
R_{YB}	129, 137, 73
Decimal	9005897
CIE _{Lab}	47.38, 7.26, 23.58
CIE _{LCh}	47, 24.673, 72.877
Yxy	16.3148, 0.4027, 0.3916
Android (android.graphics.Color)	4287195977 (0xFF896B49)
YUV	112.0940, -19.2733, 21.8426
Hunter-Lab	40.3916, 3.4554, 15.6970

Details

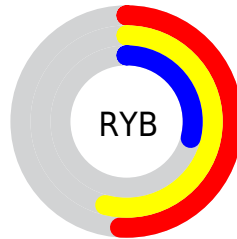
The XYZ color **16.7768, 16.3148, 8.5682** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **12.1130, 12.9226, 25.5227**, and the grayscale version is **15.4779, 16.2840, 17.7333**.

A 20% lighter version of the original color is **37.4779, 37.0653, 23.5914**, and **5.5718, 5.2469, 1.8177** is the 20% darker color. If you saturate the color by 10%, you get **15.7270, 14.8638, 6.2189**, and if you desaturate by 10%, it is **17.9772, 17.9069, 11.4618**.

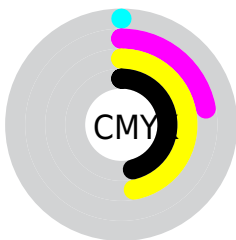
Distribution



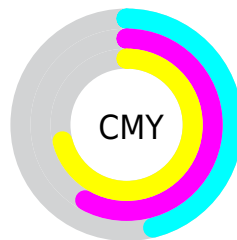
- Red (54%)
- Green (42%)
- Blue (29%)



- Red (51%)
- Yellow (54%)
- Blue (29%)



- Cyan (0%)
- Magenta (22%)
- Yellow (47%)
- Black (46%)





- Cyan (46%)
- Magenta (58%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.7768, 16.3148, 8.5682 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 16.7768, 16.3148, 8.5682 by changing the saturation by 10% instead.


 16.7768, 16.3148,
8.5682


 16.7768, 16.3148,
8.5682


227.0642,
231.1922, 190.2211


 10.1698, 9.7472,
4.3677


 37.4883, 37.1439,
23.6293


 5.5748, 5.2317,
1.8291

 52.3235, 52.1741,
35.3270


 2.6265, 2.3838,
0.4471

 70.6321, 70.7940,
50.3609

 0.9595, 0.8175,
0.0000

 92.7795, 93.3879,
69.1494

 0.0000, 0.0000,
0.0000

 119.1311,
120.3403, 92.1111

150.0522,

152.0356, 119.6646

185.9081,
188.8581, 152.2285

■ 16.7768, 16.3148,
8.5682

■ 16.7768, 16.3148,
8.5682

■ 15.7270, 14.8638,
6.2189

■ 17.9772, 17.9069,
11.4618

■ 14.8189, 13.5466,
4.3775

■ 19.3342, 19.6422,
14.9310

■ 14.0443, 12.3590,
3.0048

■ 20.8546, 21.5257,
19.0055

■ 13.3935, 11.2951,
2.0552

■ 22.5446, 23.5615,
23.7131

■ 12.8503, 10.3465,
1.4491

■ 24.4100, 25.7533,
29.0796

■ 12.6851, 10.0557,
1.2724

■ 26.4564, 28.1050,
35.1294

■ 28.6890, 30.6200,
41.8856

■ 31.1128, 33.3018,
49.3704

■ 33.7326, 36.1536,
57.6048

Harmonies

Analogous

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



18.7936, 16.3148, 10.7706



16.7768, 16.3148, 8.5682



14.5892, 16.3148, 8.4271

Triad

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



16.7768, 16.3148, 8.5682



11.7613, 16.3148, 20.5826



18.5445, 16.3148, 28.1201

Complementary

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



16.7768, 16.3148, 8.5682



12.1130, 12.9226, 25.5227

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.



16.4620, 16.3148, 32.2638



16.7768, 16.3148, 8.5682



12.6274, 16.3148, 27.2727

Square

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



16.7768, 16.3148, 8.5682



11.8284, 16.3148, 14.4519



14.3024, 16.3148, 31.9216



19.8781, 16.3148, 21.5471

Rectangle

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



16.7768, 16.3148, 8.5682



13.3362, 16.3148, 9.4543



14.3024, 16.3148, 31.9216



17.9009, 16.3148, 29.9056

Sweetspot

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



16.7772, 16.3156, 8.5685



38.0468, 39.4006, 35.9581



15.1944, 11.0817, 14.4172



8.4103, 8.6872, 7.7258



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



16.7772, 16.3156, 8.5685



28.0734, 26.4896, 10.9430



20.2907, 23.6009, 9.7896



5.2384, 5.4597, 5.3301



11.8283, 9.3910, 1.1892



0.0932, 0.0917, 0.0128

Inverse Universe

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



12.1130, 12.9226, 25.5227



18.6557, 19.6435, 45.1915



9.7272, 8.0299, 24.7040



4.9553, 5.2535, 6.3587



5.9368, 5.1439, 22.7257



0.0539, 0.0631, 0.1558

Previews

White Background



This preview shows how the XYZ color 16.7768, 16.3148, 8.5682 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 16.7768, 16.3148, 8.5682 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 16.7768, 16.3148, 8.5682

Background



This preview shows how black text looks on a background with the XYZ color 16.7768, 16.3148, 8.5682.



This preview shows how white text looks on a background with the XYZ color 16.7768, 16.3148,

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

16.7768, 16.3148, 8.5682

Protanopia

15.2012, 16.4558, 9.0317

Deuteranopia

16.7185, 16.4404, 8.5955



Tritanopia

18.3811, 16.2040, 16.9107

Trichromacy



Original Color

16.7768, 16.3148, 8.5682

Protanomaly

15.6729, 16.3753, 8.8133

Deuteranomaly

16.7185, 16.4404, 8.5955

Tritanomaly

17.7554, 16.2527, 13.5105

Monochromacy



Original Color

16.7768, 16.3148, 8.5682

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

15.6657, 16.0987, 13.8370

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7768, 16.3148, 8.5682 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(137, 107, 73)` looks like.

```
.text, #text, p{  
    color:rgb(137, 107, 73)  
}
```

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(137, 107, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 107, 73) }
```

Border

The CSS property to change the border of an element to XYZ 16.7768, 16.3148, 8.5682 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(137, 107, 73) }
```


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

```
.border{ border-color:rgb(137, 107, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 107, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 107, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 107, 73);  
box-shadow:4px 4px 4px 4px rgb(137, 107,  
73) }
```

Background

The CSS property to change the background color of an element to XYZ 16.7768, 16.3148, 8.5682 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 107, 73) }
```

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

```
.background{ background-color: rgb(137,  
107, 73) }
```

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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