

Converting Colors

XYZ(16.7168, 16.9036, 10.0016)

Have a look what the booklet for
XYZ(16.7168, 16.9036, 10.0016)
contains.

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Color

**XYZ(16.6481, 16.8536,
9.9650)**

Conversions

Conversions Part 1

Format	Color
Hex	846F50
RGB	132, 111, 80
RGB Percent	52%, 44%, 31%
CMY	0.4824, 0.5647, 0.6863
CMYK	0.00, 0.16, 0.39, 0.48
HSL	36°, 25%, 42%
HSV	36°, 39%, 52%
XYZ	16.6481, 16.8536, 9.9650
YIQ	113.7450, 22.4670, -5.1890

Conversions

Conversions Part 2

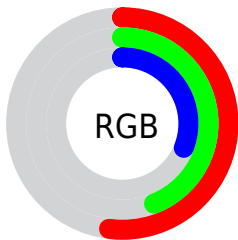
Format	Color
R_{YB}	115, 132, 80
Decimal	8679248
CIE _{Lab}	48.08, 3.57, 20.34
CIE _{LCh}	48, 20.655, 80.047
Yxy	16.8536, 0.3830, 0.3877
Android (android.graphics.Color)	4286869328 (0xFF846F50)
YUV	113.7450, -16.6363, 16.0096
Hunter-Lab	41.0531, 0.5433, 14.3455

Details

The XYZ color **16.6481, 16.8536, 9.9650** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **12.1266, 12.6782, 23.6377**, and the grayscale version is **15.9617, 16.7929, 18.2875**.

A 20% lighter version of the original color is **37.3762, 38.2452, 26.5312**, and **5.4742, 5.4257, 2.3488** is the 20% darker color. If you saturate the color by 10%, you get **15.6433, 15.5493, 7.4558**, and if you desaturate by 10%, it is **17.7843, 18.2672, 12.9912**.

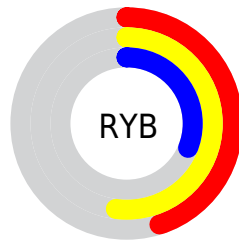
Distribution



Red (52%)

Green (44%)

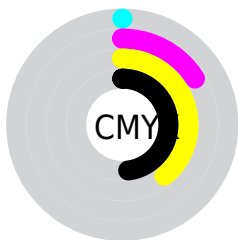
Blue (31%)



Red (45%)

Yellow (52%)

Blue (31%)

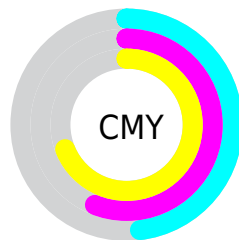


Cyan (0%)

Magenta (16%)

Yellow (39%)

Black (48%)



Cyan (48%)

Magenta (56%)

Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.6481, 16.8536, 9.9650 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 16.6481, 16.8536, 9.9650 by changing the saturation by 10% instead.

■ 16.6481, 16.8536,
9.9650

■ 16.6481, 16.8536,
9.9650

226.3322,
234.3273, 200.8978

■ 10.0777, 10.1302,
5.2705

■ 37.2682, 38.0739,
26.3364

■ 5.5131, 5.4853,
2.3453

■ 52.0485, 53.3395,
38.8504

■ 2.5892, 2.5348,
0.7564

■ 70.2962, 72.2214,
54.8079

■ 0.9404, 0.8940,
0.0000

■ 92.3766, 95.1038,
74.6276

■ 0.0000, 0.0000,
0.0000

■ 118.6550,
122.3712, 98.7278

149.4969,

154.4080, 127.5273

185.2675,
191.5986, 161.4444

■ 16.6481, 16.8536,
9.9650

■ 16.6481, 16.8536,
9.9650

■ 15.6433, 15.5493,
7.4558

■ 17.7843, 18.2672,
12.9912

■ 14.7624, 14.3486,
5.4326

■ 19.0564, 19.7910,
16.5609

■ 13.9990, 13.2484,
3.8628

■ 20.4702, 21.4289,
20.6999

■ 13.3454, 12.2447,
2.7092

■ 22.0307, 23.1838,
25.4320

■ 12.7928, 11.3330,
1.9287

■ 23.7429, 25.0585,
30.7798

■ 12.3178, 10.5027,
1.4010

■ 25.6111, 27.0555,
36.7647

■ 12.2901, 10.4544,
1.3701

■ 27.6397, 29.1776,
43.4069

■ 29.8330, 31.4272,
50.7258

■ 32.1948, 33.8067,
58.7401

Harmonies

Analogous

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



18.4394, 16.8536, 11.5373



16.6481, 16.8536, 9.9650



14.8182, 16.8536, 10.2802

Triad

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



16.6481, 16.8536, 9.9650



12.8742, 16.8536, 22.1100



18.9349, 16.8536, 25.7858

Complementary

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



16.6481, 16.8536, 9.9650



12.1266, 12.6782, 23.6377

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.



17.2827, 16.8536, 29.8178



16.6481, 16.8536, 9.9650



13.8200, 16.8536, 27.4259

Square

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



16.6481, 16.8536, 9.9650



12.7333, 16.8536, 16.6285



15.4056, 16.8536, 30.4703



19.8259, 16.8536, 20.1879

Rectangle

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



16.6481, 16.8536, 9.9650



13.8159, 16.8536, 11.5452



15.4056, 16.8536, 30.4703



18.4443, 16.8536, 27.4117

Sweetspot

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



16.6485, 16.8544, 9.9653



35.3163, 36.8969, 34.2617



14.7662, 11.5957, 13.9439



8.1597, 8.5181, 7.7924



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



16.6485, 16.8544, 9.9653



27.7807, 27.6883, 13.6763



18.5512, 21.6451, 10.7898



4.8861, 5.1159, 4.9593



11.9053, 10.1332, 1.3284



0.0484, 0.0495, 0.0070

Inverse Universe

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



12.1266, 12.6782, 23.6377



18.6863, 19.2954, 41.1927



10.7197, 9.3037, 23.0605



4.5774, 4.8304, 5.8919



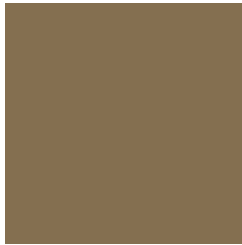
5.2836, 4.1150, 21.6525



0.0251, 0.0279, 0.0773

Previews

White Background



This preview shows how the XYZ color 16.6481, 16.8536, 9.9650 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 16.6481, 16.8536, 9.9650 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 16.6481, 16.8536, 9.9650

Background



This preview shows how black text looks on a background with the XYZ color 16.6481, 16.8536, 9.9650.



This preview shows how white text looks on a background with the XYZ color 16.6481, 16.8536,

9.9650.

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

16.6481, 16.8536, 9.9650

Protanopia

15.6709, 16.8397, 10.2090

Deuteranopia

17.0699, 16.7507, 9.9229



Tritanopia

18.4019, 16.7801, 18.4887

Trichromacy



Original Color

16.6481, 16.8536, 9.9650

Protanomaly

15.9945, 16.8400, 10.1920

Deuteranomaly

17.0156, 16.8819, 9.9511

Tritanomaly

17.7525, 16.8353, 14.8843

Monochromacy



Original Color

16.6481, 16.8536, 9.9650

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

16.1886, 16.8345, 14.9665

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.6481, 16.8536, 9.9650 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(132, 111, 80)` looks like.

```
.text, #text, p{  
    color:rgb(132, 111, 80)  
}
```

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(132, 111, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 111, 80) }
```

Border

The CSS property to change the border of an element to XYZ 16.6481, 16.8536, 9.9650 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(132, 111, 80) }
```


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

```
.border{ border-color:rgb(132, 111, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 111, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 111, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 111, 80);  
box-shadow:4px 4px 4px 4px rgb(132, 111,  
80) }
```

Background

The CSS property to change the background color of an element to XYZ 16.6481, 16.8536, 9.9650 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 111, 80) }
```

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

```
.background{ background-color: rgb(132,  
111, 80) }
```

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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