

Converting Colors

XYZ(15.6053, 16.5118, 1.2162)

Have a look what the booklet for
XYZ(15.6053, 16.5118, 1.2162)
contains.

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Color

**XYZ(15.8378, 16.6031,
2.3700)**

Conversions

Conversions Part 1

Format	Color
Hex	886F00
RGB	136, 111, 0
RGB Percent	53%, 44%, 0%
CMY	0.4667, 0.5647, 1.0000
CMYK	0.00, 0.18, 1.00, 0.47
HSL	49°, 100%, 27%
HSV	49°, 100%, 53%
XYZ	15.8378, 16.6031, 2.3700
YIQ	105.8210, 50.5310, -29.2210

Conversions

Conversions Part 2

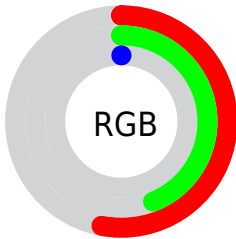
Format	Color
RYB	31, 136, 0
Decimal	8941312
CIELab	47.76, 0.33, 54.08
CIELCh	48, 54.083, 89.650
Yxy	16.6031, 0.4550, 0.4770
Android (android.graphics.Color)	4287131392 (0xFF886F00)
YUV	105.8210, -52.1698, 26.4670
Hunter-Lab	40.7469, -1.9264, 25.0743

Details

The XYZ color **15.8378, 16.6031, 2.3700** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **4.7917, 2.4730, 23.5172**, and the grayscale version is **13.7798, 14.4974, 15.7877**.

A 20% lighter version of the original color is **35.8099, 37.5370, 10.0606**, and **5.3131, 5.4606, 0.7740** is the 20% darker color. If you saturate the color by 10%, you get **15.8380, 16.6036, 2.3701**, and if you desaturate by 10%, it is **16.1914, 17.1878, 2.8658**.

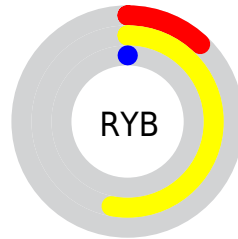
Distribution



Red (53%)

Green (44%)

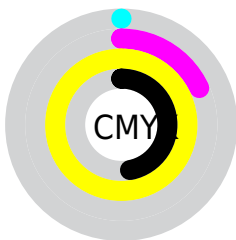
Blue (0%)



Red (12%)

Yellow (53%)

Blue (0%)

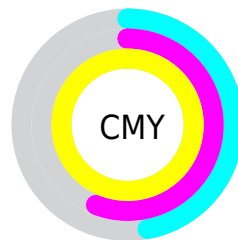


Cyan (0%)

Magenta (18%)

Yellow (100%)

Black (47%)



Cyan (47%)

Magenta (56%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.8378, 16.6031, 2.3700 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 15.8378, 16.6031, 2.3700 by changing the saturation by 10% instead.

15.8378, 16.6031,
2.3700

15.8378, 16.6031,
2.3700

221.6720,
232.8747, 127.8808

9.4996, 9.9519,
0.7700

35.8761, 37.6421,
10.0297

5.1281, 5.3671,
0.0000

50.3069, 52.7987,
16.9393

2.3582, 2.4642,
0.0000

68.1659, 71.5592,
26.4600

0.8242, 0.8586,
0.0000


89.8185, 94.3081,
39.0105


0.0000, 0.0000,
0.0000


115.6301,
121.4297, 55.0093


145.9659,


153.3084, 74.8749


 181.1914,
190.3286, 99.0259


 15.8378, 16.6031,
2.3700


 15.8378, 16.6031,
2.3700


 15.8380, 16.6036,
2.3701

 16.1914, 17.1878,
2.8658

 16.5993, 17.8058,
3.6115

 17.0880, 18.4686,
4.7444

 17.6664, 19.1798,
6.3113

 18.3423, 19.9425,
8.3525

■ 19.1225, 20.7597,
10.9036

■ 20.0131, 21.6338,
13.9968

■ 21.0197, 22.5672,
17.6617

■ 22.1478, 23.5621,
21.9255

Harmonies

Analogous

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



20.9722, 16.6031, 3.4444



15.8378, 16.6031, 2.3700



11.6058, 16.6031, 3.3906

Triad

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



15.8378, 16.6031, 2.3700



8.9895, 16.6031, 34.7515



25.2637, 16.6031, 35.1904

Complementary

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



15.8378, 16.6031, 2.3700



4.7917, 2.4730, 23.5172

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.



20.8531, 16.6031, 52.5965



15.8378, 16.6031, 2.3700



11.5256, 16.6031, 52.2646

Square

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



15.8378, 16.6031, 2.3700



8.1771, 16.6031, 17.9152



15.7238, 16.6031, 60.0417



27.0515, 16.6031, 18.2416

Rectangle

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



15.8378, 16.6031, 2.3700



9.6919, 16.6031, 5.7206



15.7238, 16.6031, 60.0417



23.9995, 16.6031, 41.4423

Sweetspot

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



15.8382, 16.6039, 2.3703



35.1600, 38.0211, 24.2788



10.3536, 5.3145, 1.5295



8.0050, 8.6722, 5.1386



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.



15.8382, 16.6039, 2.3703



27.8074, 29.0527, 4.1421



13.5445, 20.0520, 3.1568



5.3542, 5.6913, 5.3687



14.9964, 15.7272, 2.2453



0.1090, 0.1233, 0.0180

Inverse Universe

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



4.7917, 2.4730, 23.5172



8.3573, 4.1841, 41.4155



5.3507, 2.2451, 23.4438



4.8442, 5.0314, 6.3217



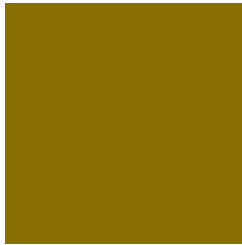
4.5404, 2.3512, 22.2602



0.0381, 0.0315, 0.1505

Previews

White Background



This preview shows how the XYZ color 15.8378, 16.6031, 2.3700 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 15.8378, 16.6031, 2.3700 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 15.8378, 16.6031, 2.3700

Background



This preview shows how black text looks on a background with the XYZ color 15.8378, 16.6031, 2.3700.



This preview shows how white text looks on a background with the XYZ color 15.8378, 16.6031,

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

15.8378, 16.6031, 2.3700

Protanopia

14.9523, 16.6370, 2.5955

Deuteranopia

16.9246, 16.6786, 2.6439



Tritanopia

18.8748, 16.5990, 17.2480

Trichromacy



Original Color

15.8378, 16.6031, 2.3700

Protanomaly

15.2871, 16.6443, 2.5218

Deuteranomaly

16.4915, 16.6153, 2.5389

Tritanomaly

17.1066, 16.3384, 8.2133

Monochromacy



Original Color

15.8378, 16.6031, 2.3700

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

13.7118, 14.9123, 7.4659

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.8378, 16.6031, 2.3700 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(136, 111, 0)` looks like.

```
.text, #text, p{  
    color:rgb(136, 111, 0)  
}
```

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(136, 111, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 111, 0) }
```

Border

The CSS property to change the border of an element to XYZ 15.8378, 16.6031, 2.3700 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(136, 111, 0) }
```


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

```
.border{ border-color:rgb(136, 111, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 111, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 111, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 111, 0);  
box-shadow:4px 4px 4px 4px rgb(136, 111,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 15.8378, 16.6031, 2.3700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 111, 0) }
```

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

```
.background{ background-color: rgb(136,  
111, 0) }
```

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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