

Converting Colors

XYZ(15.8483, 16.8387, 1.8276)

Have a look what the booklet for
XYZ(15.8483, 16.8387, 1.8276)
contains.

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Color

**XYZ(15.9475, 16.8226,
2.4066)**

Conversions

Conversions Part 1

Format	Color
Hex	887000
RGB	136, 112, 0
RGB Percent	53%, 44%, 0%
CMY	0.4667, 0.5608, 1.0000
CMYK	0.00, 0.18, 1.00, 0.47
HSL	49°, 100%, 27%
HSV	49°, 100%, 53%
XYZ	15.9475, 16.8226, 2.4066
YIQ	106.4080, 50.2560, -29.7440

Conversions

Conversions Part 2

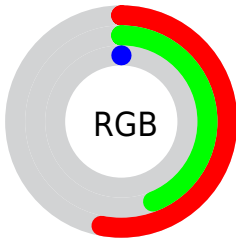
Format	Color
RYB	29, 136, 0
Decimal	8941568
CIELab	48.04, -0.24, 54.28
CIELCh	48, 54.279, 90.255
Yxy	16.8226, 0.4534, 0.4782
Android (android.graphics.Color)	4287131648 (0xFF887000)
YUV	106.4080, -52.4591, 25.9522
Hunter-Lab	41.0154, -2.3729, 25.2319

Details

The XYZ color **15.9475, 16.8226, 2.4066** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **4.7707, 2.4310, 23.5101**, and the grayscale version is **13.9425, 14.6686, 15.9742**.

A 20% lighter version of the original color is **35.9867, 37.8907, 10.1196**, and **5.3700, 5.5744, 0.7929** is the 20% darker color. If you saturate the color by 10%, you get **15.9477, 16.8231, 2.4066**, and if you desaturate by 10%, it is **16.2928, 17.3907, 2.8997**.

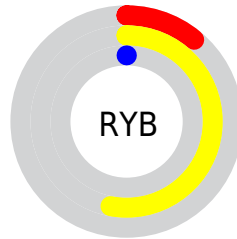
Distribution



Red (53%)

Green (44%)

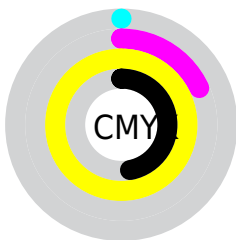
Blue (0%)



Red (11%)

Yellow (53%)

Blue (0%)

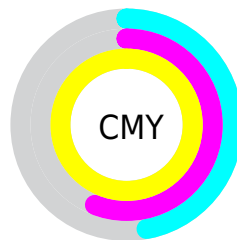


Cyan (0%)

Magenta (18%)

Yellow (100%)

Black (47%)



Cyan (47%)

Magenta (56%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.9475, 16.8226, 2.4066 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 15.9475, 16.8226, 2.4066 by changing the saturation by 10% instead.

■ 15.9475, 16.8226,
2.4066

■ 15.9475, 16.8226,
2.4066

222.3082,
234.1480, 128.4014

■ 9.5776, 10.1081,
0.7900

■ 36.0652, 38.0205,
10.1253

■ 5.1799, 5.4707,
0.0000

■ 50.5438, 53.2727,
17.0747

■ 2.3891, 2.5260,
0.0000

■ 68.4559, 72.1396,
26.6423

■ 0.8397, 0.8896,
0.0000

■ 90.1670, 95.0055,
39.2466


■ 0.0000, 0.0000,
0.0000


■ 116.0425,
122.2549, 55.3061


■ 146.4476,


154.2722, 75.2394


 181.7477,
191.4418, 99.4650


 15.9475, 16.8226,
2.4066


 15.9475, 16.8226,
2.4066


 15.9477, 16.8231,
2.4066

 16.2928, 17.3907,
2.8997

 16.6919, 17.9911,
3.6424

 17.1711, 18.6350,
4.7722

 17.7395, 19.3261,
6.3358

 18.4048, 20.0675,
8.3734

■ 19.1737, 20.8621,
10.9208

■ 20.0524, 21.7125,
14.0100

■ 21.0465, 22.6209,
17.6707

■ 22.1614, 23.5895,
21.9301

Harmonies

Analogous

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



21.1410, 16.8226, 3.4487



15.9475, 16.8226, 2.4066



11.6920, 16.8226, 3.4883

Triad

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



15.9475, 16.8226, 2.4066



9.1469, 16.8226, 35.5786



25.6575, 16.8226, 35.2559

Complementary

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



15.9475, 16.8226, 2.4066



4.7707, 2.4310, 23.5101

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.



21.2286, 16.8226, 52.9657



15.9475, 16.8226, 2.4066



11.7510, 16.8226, 53.2097

Square

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



15.9475, 16.8226, 2.4066



8.2898, 16.8226, 18.4373



16.0313, 16.8226, 60.7901



27.3989, 16.8226, 18.1972

Rectangle

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



15.9475, 16.8226, 2.4066



9.7778, 16.8226, 5.9045



16.0313, 16.8226, 60.7901



24.3943, 16.8226, 41.5886

Sweetspot

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



15.9479, 16.8234, 2.4069



35.2309, 38.1628, 24.3024



10.3281, 5.3043, 1.3958



8.0233, 8.7086, 5.1447



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.



15.9479, 16.8234, 2.4069



28.0040, 29.4458, 4.2076



13.3118, 19.9319, 3.1459



5.3573, 5.6974, 5.3697



15.1002, 15.9347, 2.2798



0.1094, 0.1241, 0.0182

Inverse Universe

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



4.7707, 2.4310, 23.5101



8.3227, 4.1150, 41.4040



5.4432, 2.2929, 23.4479



4.8414, 5.0258, 6.3207



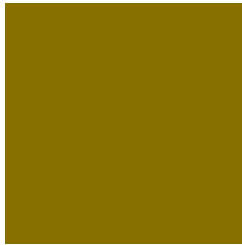
4.5204, 2.3111, 22.2535



0.0377, 0.0307, 0.1504

Previews

White Background



This preview shows how the XYZ color 15.9475, 16.8226, 2.4066 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 15.9475, 16.8226, 2.4066 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 15.9475, 16.8226, 2.4066

Background



This preview shows how black text looks on a background with the XYZ color 15.9475, 16.8226, 2.4066.



This preview shows how white text looks on a background with the XYZ color 15.9475, 16.8226,

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

15.9475, 16.8226, 2.4066

Protanopia

15.2114, 16.9396, 2.6115

Deuteranopia

17.1000, 16.7690, 2.6521



Tritanopia

19.0303, 16.8213, 17.5731

Trichromacy



Original Color

15.9475, 16.8226, 2.4066

Protanomaly

15.5495, 16.9467, 2.5377

Deuteranomaly

16.6623, 16.7034, 2.5469

Tritanomaly

17.2102, 16.5458, 8.2478

Monochromacy



Original Color

15.9475, 16.8226, 2.4066

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 15.9475, 16.8226, 2.4066 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, 112, 0)` looks like.

```
.text, #text, p{  
    color:rgb(136, 112, 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, 112, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 112, 0) }
```

Border

The CSS property to change the border of an element to XYZ 15.9475, 16.8226, 2.4066 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, 112, 0) }
```


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

```
.border{ border-color:rgb(136, 112, 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, 112, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 112, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 112, 0);  
box-shadow:4px 4px 4px 4px rgb(136, 112,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 15.9475, 16.8226, 2.4066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 112, 0) }
```

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

```
.background{ background-color: rgb(136,  
112, 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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