

Converting Colors

XYZ(15.9722, 16.7435, 0.0000)

Have a look what the booklet for
XYZ(15.9722, 16.7435, 0.0000)
contains.

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Color

**XYZ(16.4997, 16.9443,
2.4010)**

Conversions

Conversions Part 1

Format	Color
Hex	8C6F00
RGB	140, 111, 0
RGB Percent	55%, 44%, 0%
CMY	0.4510, 0.5647, 1.0000
CMYK	0.00, 0.21, 1.00, 0.45
HSL	48°, 100%, 27%
HSV	48°, 100%, 55%
XYZ	16.4997, 16.9443, 2.4010
YIQ	107.0170, 52.9150, -28.3730

Conversions

Conversions Part 2

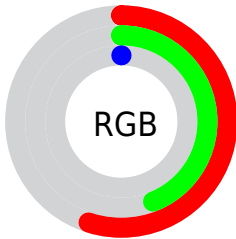
Format	Color
R_{YB}	37, 140, 0
Decimal	9203456
CIE Lab	48.19, 2.24, 54.59
CIE LCh	48, 54.634, 87.648
Yxy	16.9443, 0.4603, 0.4727
Android (android.graphics.Color)	4287393536 (0xFF8C6F00)
YUV	107.0170, -52.7594, 28.9261
Hunter-Lab	41.1635, -0.4872, 25.3561

Details

The XYZ color **16.4997, 16.9443, 2.4010** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **5.1732, 2.7725, 25.0734**, and the grayscale version is **14.1120, 14.8469, 16.1683**.

A 20% lighter version of the original color is **36.8435, 38.0699, 10.1090**, and **5.5797, 5.5981, 0.7865** is the 20% darker color. If you saturate the color by 10%, you get **16.4998, 16.9447, 2.4010**, and if you desaturate by 10%, it is **16.9009, 17.6200, 2.9260**.

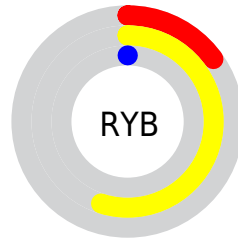
Distribution



Red (55%)

Green (44%)

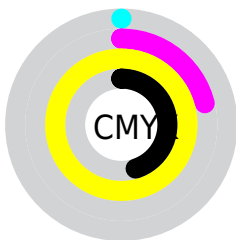
Blue (0%)



Red (15%)

Yellow (55%)

Blue (0%)

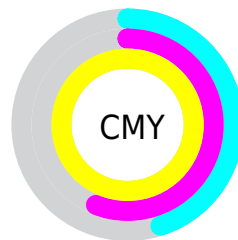


Cyan (0%)

Magenta (21%)

Yellow (100%)

Black (45%)



Cyan (45%)

Magenta (56%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.4997, 16.9443, 2.4010 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 16.4997, 16.9443, 2.4010 by changing the saturation by 10% instead.

■ 16.4997, 16.9443,
2.4010

■ 16.4997, 16.9443,
2.4010

225.4854,
234.8512, 128.3220

■ 9.9715, 10.1948,
0.7870

■ 37.0140, 38.2300,
10.1107

■ 5.4422, 5.5283,
0.0000

■ 51.7309, 53.5349,
17.0540

■ 2.5464, 2.5604,
0.0000

■ 69.9081, 72.4605,
26.6145

■ 0.9187, 0.9068,
0.0000

■ 91.9109, 95.3911,
39.2106


■ 0.0000, 0.0000,
0.0000


■ 118.1046,
122.7110, 55.2609


■ 148.8548,


154.8048, 75.1838


 184.5266,
192.0567, 99.3980


 16.4997, 16.9443,
2.4010


 16.4997, 16.9443,
2.4010


 16.4998, 16.9447,
2.4010

 16.9009, 17.6200,
2.9260

 17.3633, 18.3361,
3.7232

 17.9141, 19.1043,
4.9346

 18.5630, 19.9286,
6.6107

 19.3184, 20.8126,
8.7948

■ 20.1875, 21.7592,
11.5251

■ 21.1771, 22.7713,
14.8365

■ 22.2933, 23.8516,
18.7605

■ 23.5418, 25.0023,
23.3266

Harmonies

Analogous

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



21.7687, 16.9443, 3.6553



16.4997, 16.9443, 2.4010



12.0712, 16.9443, 3.2874

Triad

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



16.4997, 16.9443, 2.4010



9.0461, 16.9443, 34.2548



25.5838, 16.9443, 37.2728

Complementary

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



16.4997, 16.9443, 2.4010



5.1732, 2.7725, 25.0734

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.



20.9503, 16.9443, 54.7789



16.4997, 16.9443, 2.4010



11.5203, 16.9443, 52.4953

Square

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



16.4997, 16.9443, 2.4010



8.3297, 16.9443, 17.3509



15.7167, 16.9443, 61.4288



27.6418, 16.9443, 19.5935

Rectangle

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



16.4997, 16.9443, 2.4010



10.0333, 16.9443, 5.4854



15.7167, 16.9443, 61.4288



24.2346, 16.9443, 43.6565

Sweetspot

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



16.5001, 16.9451, 2.4013



37.2185, 40.0297, 25.7531



11.0540, 5.6711, 1.7632



8.4216, 9.0681, 5.4105



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



16.5001, 16.9451, 2.4013



28.9729, 29.6401, 4.1941



14.6708, 21.4846, 3.3740



5.3446, 5.6720, 5.3655



14.6751, 15.0847, 2.1382



0.1077, 0.1207, 0.0176

Inverse Universe

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



5.1732, 2.7725, 25.0734



9.0229, 4.6928, 44.1732



5.5961, 2.3382, 24.9673



4.8532, 5.0493, 6.3247



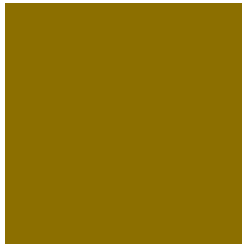
4.6087, 2.4878, 22.2830



0.0394, 0.0341, 0.1510

Previews

White Background



This preview shows how the XYZ color 16.4997, 16.9443, 2.4010 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 16.4997, 16.9443, 2.4010 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

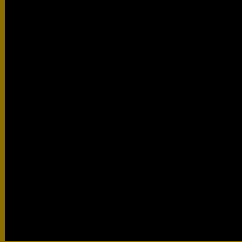
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.4997, 16.9443, 2.4010

Background



This preview shows how black text looks on a background with the XYZ color 16.4997, 16.9443, 2.4010.

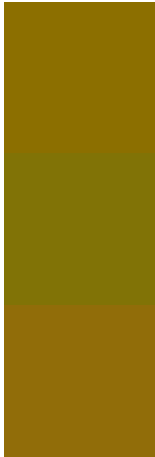


This preview shows how white text looks on a background with the XYZ color 16.4997, 16.9443,

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

16.4997, 16.9443, 2.4010

Protanopia

15.2169, 16.9417, 2.6404

Deuteranopia

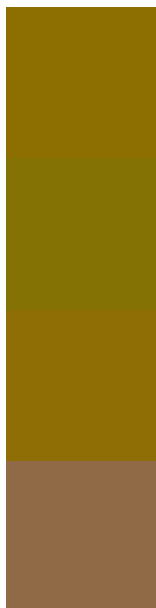
17.1950, 16.9767, 2.6290



Tritanopia

19.5736, 16.9592, 17.2807

Trichromacy



Original Color

16.4997, 16.9443, 2.4010

Protanomaly

15.7121, 17.0299, 2.5739

Deuteranomaly

16.9365, 17.0046, 2.5619

Tritanomaly

17.7930, 16.6923, 8.2454

Monochromacy



Original Color

16.4997, 16.9443, 2.4010

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

14.0137, 15.0644, 7.6380

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.4997, 16.9443, 2.4010 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(140, 111, 0)` looks like.

```
.text, #text, p{  
    color:rgb(140, 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(140, 111, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 111, 0) }
```

Border

The CSS property to change the border of an element to XYZ 16.4997, 16.9443, 2.4010 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(140, 111, 0) }
```


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

```
.border{ border-color:rgb(140, 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(140, 111, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 111, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 111, 0);  
box-shadow:4px 4px 4px 4px rgb(140, 111,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 16.4997, 16.9443, 2.4010 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 111, 0) }
```

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

```
.background{ background-color: rgb(140,  
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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