

Converting Colors

XYZ(18.4617, 16.5707, 2.2254)

Have a look what the booklet for
XYZ(18.4617, 16.5707, 2.2254)
contains.

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Color

**XYZ(18.4617, 16.5707,
2.2254)**

Conversions

Conversions Part 1

Format	Color
Hex	9C6600
RGB	156, 102, 0
RGB Percent	61%, 40%, 0%
CMY	0.3882, 0.6000, 1.0000
CMYK	0.00, 0.35, 1.00, 0.39
HSL	39°, 100%, 31%
HSV	39°, 100%, 61%
XYZ	18.4617, 16.5707, 2.2254
YIQ	106.5180, 64.9260, -20.2740

Conversions

Conversions Part 2

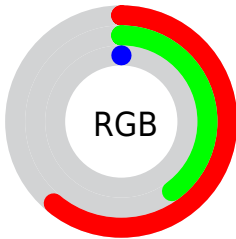
Format	Color
RYB	83, 156, 0
Decimal	10249728
CIELab	47.71, 14.93, 55.17
CIELCh	48, 57.156, 74.853
Yxy	16.5707, 0.4955, 0.4448
Android (android.graphics.Color)	4288439808 (0xFF9C6600)
YUV	106.5180, -52.5134, 43.3957
Hunter-Lab	40.7071, 9.7167, 25.2537

Details

The XYZ color **18.4617, 16.5707, 2.2254** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **7.3199, 5.0386, 32.0390**, and the grayscale version is **13.9703, 14.6978, 16.0059**.

A 20% lighter version of the original color is **40.2851, 37.5773, 9.6873**, and **6.5118, 5.3850, 0.6962** is the 20% darker color. If you saturate the color by 10%, you get **18.4619, 16.5712, 2.2255**, and if you desaturate by 10%, it is **19.1008, 17.7040, 2.8854**.

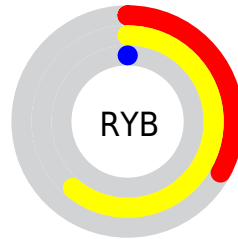
Distribution



Red (61%)

Green (40%)

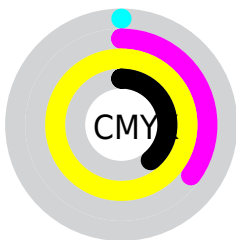
Blue (0%)



Red (33%)

Yellow (61%)

Blue (0%)

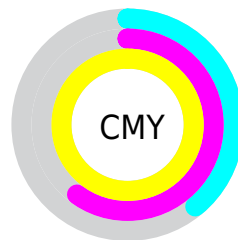


Cyan (0%)

Magenta (35%)

Yellow (100%)

Black (39%)



Cyan (39%)

Magenta (60%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.4617, 16.5707, 2.2254 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 18.4617, 16.5707, 2.2254 by changing the saturation by 10% instead.

■ 18.4617, 16.5707,
2.2254

■ 18.4617, 16.5707,
2.2254

236.4563,
232.6862, 125.7841

■ 11.3837, 9.9289,
0.6890

■ 40.3464, 37.5862,
9.6483

■ 6.3947, 5.3518,
0.0000

■ 55.8838, 52.7286,
16.3973

■ 3.1295, 2.4551,
0.0000

■ 74.9718, 71.4734,
25.7293

■ 1.2226, 0.8540,
0.0000

■ 97.9755, 94.2049,
38.0629

■ 0.1241, 0.0000,
0.0000


■ 125.2605,
121.3076, 53.8167


■ 0.0000, 0.0000,
0.0000


■ 157.1921,


153.1657, 73.4091


 194.1355,
190.1638, 97.2587


 18.4617, 16.5707,
2.2254


 18.4617, 16.5707,
2.2254


 18.4619, 16.5712,
2.2255

 19.1008, 17.7040,
2.8854

 19.8435, 18.9344,
3.9194

 20.7218, 20.2764,
5.4903

 21.7489, 21.7362,
7.6651

 22.9362, 23.3193,
10.5008

■ 24.2937, 25.0306,
14.0478

■ 25.8307, 26.8748,
18.3517

■ 27.5557, 28.8561,
23.4540

■ 29.4763, 30.9784,
29.3934

Harmonies

Analogous

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



23.8003, 16.5707, 4.5771



18.4617, 16.5707, 2.2254



13.3613, 16.5707, 2.2161

Triad

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



18.4617, 16.5707, 2.2254



8.0288, 16.5707, 26.2676



23.7533, 16.5707, 46.2772

Complementary

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



18.4617, 16.5707, 2.2254



7.3199, 5.0386, 32.0390

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.



18.4076, 16.5707, 61.2495



18.4617, 16.5707, 2.2254



9.7567, 16.5707, 46.0860

Square

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



18.4617, 16.5707, 2.2254



8.0371, 16.5707, 11.6390



13.3177, 16.5707, 61.1650



27.2764, 16.5707, 26.4473

Rectangle

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



18.4617, 16.5707, 2.2254



10.7722, 16.5707, 3.3950



13.3177, 16.5707, 61.1650



22.0645, 16.5707, 52.4255

Sweetspot

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



18.4621, 16.5716, 2.2257



46.7403, 48.6059, 32.8256



14.3904, 7.3400, 4.2230



10.0383, 10.4028, 6.5225



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



18.4621, 16.5716, 2.2257



33.3427, 29.7192, 3.9790



21.4983, 28.7308, 4.4127



6.9767, 7.3334, 7.0334



15.2402, 13.7160, 1.8442



0.3105, 0.3213, 0.0456

Inverse Universe

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



7.3199, 5.0386, 32.0390



13.1277, 8.8168, 58.1366



6.3634, 2.5873, 31.6163



6.4631, 6.7920, 8.3770



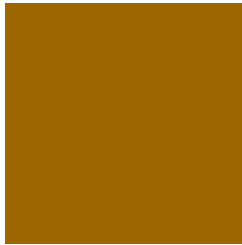
6.0591, 4.2097, 26.4004



0.1459, 0.1503, 0.4846

Previews

White Background



This preview shows how the XYZ color 18.4617, 16.5707, 2.2254 looks on a white background.

Color Contrast Check

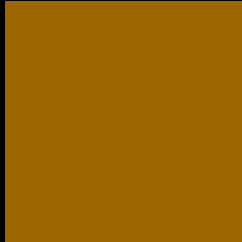
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.4617, 16.5707, 2.2254 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 18.4617, 16.5707, 2.2254

Background



This preview shows how black text looks on a background with the XYZ color 18.4617, 16.5707, 2.2254.



This preview shows how white text looks on a background with the XYZ color 18.4617, 16.5707,

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

18.4617, 16.5707, 2.2254

Protanopia

14.9798, 16.6480, 2.7405

Deuteranopia

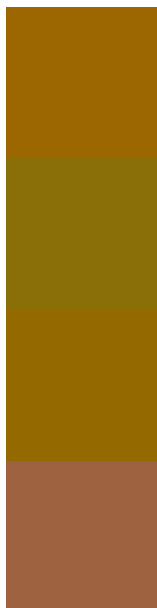
16.8642, 16.6544, 2.3258



Tritanopia

20.9877, 16.6173, 14.6717

Trichromacy



Original Color

18.4617, 16.5707, 2.2254

Protanomaly

16.0955, 16.5705, 2.5511

Deuteranomaly

17.3668, 16.6040, 2.2896

Tritanomaly

19.6199, 16.4879, 7.1494

Monochromacy



Original Color

18.4617, 16.5707, 2.2254

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

14.5524, 14.8805, 7.5741

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.4617, 16.5707, 2.2254 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(156, 102, 0)` looks like.

```
.text, #text, p{  
    color:rgb(156, 102, 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(156, 102, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 102, 0) }
```

Border

The CSS property to change the border of an element to XYZ 18.4617, 16.5707, 2.2254 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(156, 102, 0) }
```


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

```
.border{ border-color:rgb(156, 102, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 102, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 102, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 102, 0);  
box-shadow:4px 4px 4px 4px rgb(156, 102,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 18.4617, 16.5707, 2.2254 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 102, 0) }
```

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

```
.background{ background-color: rgb(156,  
102, 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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