

Converting Colors

XYZ(16.7631, 16.7893, 0.7829)

Have a look what the booklet for
XYZ(16.7631, 16.7893, 0.7829)
contains.

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Color

**XYZ(17.1457, 16.9570,
2.3694)**

Conversions

Conversions Part 1

Format	Color
Hex	916D00
RGB	145, 109, 0
RGB Percent	57%, 43%, 0%
CMY	0.4314, 0.5725, 1.0000
CMYK	0.00, 0.25, 1.00, 0.43
HSL	45°, 100%, 28%
HSV	45°, 100%, 57%
XYZ	17.1457, 16.9570, 2.3694
YIQ	107.3380, 56.4450, -26.2670

Conversions

Conversions Part 2

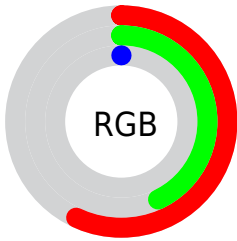
Format	Color
RYB	48, 145, 0
Decimal	9530624
CIELab	48.21, 5.77, 54.86
CIELCh	48, 55.165, 84.000
Yxy	16.9570, 0.4701, 0.4649
Android (android.graphics.Color)	4287720704 (0xFF916D00)
YUV	107.3380, -52.9176, 33.0296
Hunter-Lab	41.1789, 2.2592, 25.4137

Details

The XYZ color **17.1457, 16.9570, 2.3694** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **5.7419, 3.3063, 27.1234**, and the grayscale version is **14.2013, 14.9409, 16.2707**.

A 20% lighter version of the original color is **38.0966, 38.1970, 10.0675**, and **5.9391, 5.6189, 0.7715** is the 20% darker color. If you saturate the color by 10%, you get **17.1458, 16.9574, 2.3694**, and if you desaturate by 10%, it is **17.6207, 17.7748, 2.9359**.

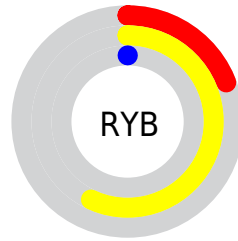
Distribution



Red (57%)

Green (43%)

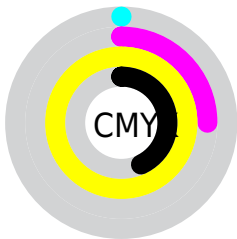
Blue (0%)



Red (19%)

Yellow (57%)

Blue (0%)

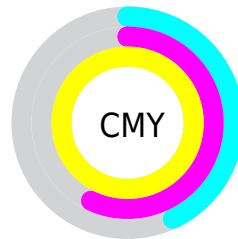


Cyan (0%)

Magenta (25%)

Yellow (100%)

Black (43%)



Cyan (43%)

Magenta (57%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.1457, 16.9570, 2.3694 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 17.1457, 16.9570, 2.3694 by changing the saturation by 10% instead.

■ 17.1457, 16.9570,
2.3694

■ 17.1457, 16.9570,
2.3694

229.1505,
234.9245, 127.8722

■ 10.4344, 10.2038,
0.7697

■ 38.1177, 38.2518,
10.0281

■ 5.7524, 5.5343,
0.0000

■ 53.1091, 53.5623,
16.9370

■ 2.7343, 2.5640,
0.0000

■ 71.5913, 72.4940,
26.4570

■ 1.0149, 0.9086,
0.0000

■ 93.9295, 95.4313,
39.0066


■ 0.0000, 0.0000,
0.0000


■ 120.4892,
122.7586, 55.0044


■ 151.6357,


154.8603, 74.8689


 187.7343,
192.1208, 99.0187


 17.1457, 16.9570,
2.3694


 17.1457, 16.9570,
2.3694


 17.1458, 16.9574,
2.3694

 17.6207, 17.7748,
2.9359

 18.1677, 18.6462,
3.8044

 18.8152, 19.5835,
5.1230

 19.5739, 20.5914,
6.9469

 20.4530, 21.6737,
9.3236

■ 21.4606, 22.8340,
12.2948

■ 22.6040, 24.0754,
15.8984

■ 23.8899, 25.4010,
20.1691

■ 25.3246, 26.8135,
25.1389

Harmonies

Analogous

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



22.4718, 16.9570, 3.9255



17.1457, 16.9570, 2.3694



12.5063, 16.9570, 2.9848

Triad

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



17.1457, 16.9570, 2.3694



8.8184, 16.9570, 32.1195



25.2394, 16.9570, 39.9038

Complementary

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



17.1457, 16.9570, 2.3694



5.7419, 3.3063, 27.1234

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.



20.3636, 16.9570, 56.9008



17.1457, 16.9570, 2.3694



11.0899, 16.9570, 51.0067

Square

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



17.1457, 16.9570, 2.3694



8.3066, 16.9570, 15.7257



15.1305, 16.9570, 61.7667



27.7280, 16.9570, 21.5014

Rectangle

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



17.1457, 16.9570, 2.3694



10.3063, 16.9570, 4.8749



15.1305, 16.9570, 61.7667



23.7820, 16.9570, 46.2868

Sweetspot

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



17.1461, 16.9578, 2.3697



40.3441, 42.9712, 28.0300



11.9994, 6.1488, 2.2440



8.7991, 9.3710, 5.6734



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



17.1461, 16.9578, 2.3697



30.5631, 30.0829, 4.1957



16.4015, 23.4862, 3.6691



5.7277, 6.0617, 5.7575



14.7278, 14.5872, 2.0394



0.1582, 0.1742, 0.0253

Inverse Universe

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



5.7419, 3.3063, 27.1234



10.1632, 5.6819, 48.5346



5.8474, 2.4242, 26.9476



5.2316, 5.4590, 6.8067



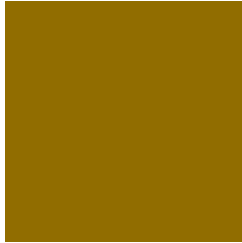
4.9431, 2.8721, 23.2709



0.0625, 0.0580, 0.2276

Previews

White Background



This preview shows how the XYZ color 17.1457, 16.9570, 2.3694 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 17.1457, 16.9570, 2.3694 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 17.1457, 16.9570, 2.3694

Background



This preview shows how black text looks on a background with the XYZ color 17.1457, 16.9570, 2.3694.



This preview shows how white text looks on a background with the XYZ color 17.1457, 16.9570,

2.3694.

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

17.1457, 16.9570, 2.3694

Protanopia

15.3805, 17.0248, 2.7052

Deuteranopia

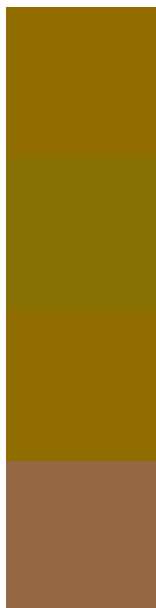
17.1567, 16.9614, 2.4271



Tritanopia

19.9917, 16.8955, 16.6755

Trichromacy



Original Color

17.1457, 16.9570, 2.3694

Protanomaly

15.9242, 16.9721, 2.5802

Deuteranomaly

17.1512, 16.9592, 2.3982

Tritanomaly

18.2372, 16.6262, 7.8782

Monochromacy



Original Color

17.1457, 16.9570, 2.3694

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

14.2911, 15.2074, 7.6509

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.1457, 16.9570, 2.3694 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(145, 109, 0)` looks like.

```
.text, #text, p{  
    color:rgb(145, 109, 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(145, 109, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 109, 0) }
```

Border

The CSS property to change the border of an element to XYZ 17.1457, 16.9570, 2.3694 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(145, 109, 0) }
```


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

```
.border{ border-color:rgb(145, 109, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 109, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 109, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 109, 0);  
box-shadow:4px 4px 4px 4px rgb(145, 109,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 17.1457, 16.9570, 2.3694 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 109, 0) }
```

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

```
.background{ background-color: rgb(145,  
109, 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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