

Converting Colors

XYZ(17.2717, 16.2285, 0.4563)

Have a look what the booklet for
XYZ(17.2717, 16.2285, 0.4563)
contains.

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Color

**XYZ(17.7128, 16.4799,
2.2474)**

Conversions

Conversions Part 1	
Format	Color
Hex	976800
RGB	151, 104, 0
RGB Percent	59%, 41%, 0%
CMY	0.4078, 0.5921, 1.0000
CMYK	0.00, 0.31, 1.00, 0.41
HSL	41°, 100%, 30%
HSV	41°, 100%, 59%
XYZ	17.7128, 16.4799, 2.2474
YIQ	106.1970, 61.3960, -22.3800

Conversions

Conversions Part 2

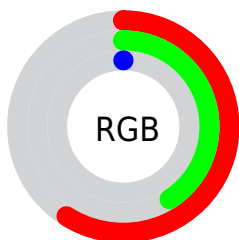
Format	Color
RYB	68, 151, 0
Decimal	9922560
CIELab	47.60, 11.47, 54.79
CIELCh	48, 55.977, 78.179
Yxy	16.4799, 0.4861, 0.4522
Android (android.graphics.Color)	4288112640 (0xFF976800)
YUV	106.1970, -52.3551, 39.2922
Hunter-Lab	40.5954, 6.8420, 25.1345

Details

The XYZ color **17.7128, 16.4799, 2.2474** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **6.6026, 4.2676, 29.7537**, and the grayscale version is **13.8817, 14.6047, 15.9045**.

A 20% lighter version of the original color is **39.1692, 37.4921, 9.7297**, and **6.1824, 5.3592, 0.7086** is the 20% darker color. If you saturate the color by 10%, you get **17.7129, 16.4803, 2.2474**, and if you desaturate by 10%, it is **18.2865, 17.4883, 2.8677**.

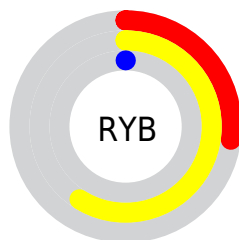
Distribution



Red (59%)

Green (41%)

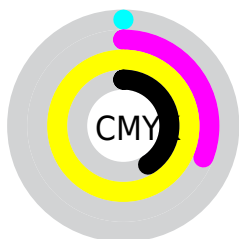
Blue (0%)



Red (27%)

Yellow (59%)

Blue (0%)

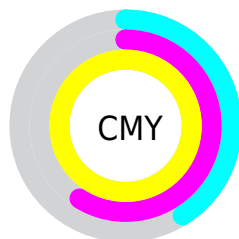


Cyan (0%)

Magenta (31%)

Yellow (100%)

Black (41%)



Cyan (41%)


Magenta (59%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 17.7128, 16.4799, 2.2474 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 17.7128, 16.4799, 2.2474 by changing the saturation by 10% instead.


 17.7128, 16.4799,
2.2474


 17.7128, 16.4799,
2.2474


232.3242,
232.1571, 126.1073

 10.8424, 9.8644,
0.7015


 39.0813, 37.4294,
9.7068


 6.0275, 5.3091,
0.0000


 54.3101, 52.5321,
16.4805

 2.9026, 2.4298,
0.0000


 73.0557, 71.2326,
25.8416

 1.1025, 0.8411,
0.0000

 95.6836, 93.9155,
38.2087


 0.0272, 0.0000,
0.0000

 122.5590,
120.9649, 54.0003


 0.0000, 0.0000,
0.0000


 154.0474,


152.7654, 73.6349


 190.5140,
189.7013, 97.5310


 17.7128, 16.4799,
2.2474


 17.7128, 16.4799,
2.2474


 17.7129, 16.4803,
2.2474

 18.2865, 17.4883,
2.8677

 18.9496, 18.5746,
3.8287

 19.7326, 19.7523,
5.2862

 20.6474, 21.0269,
7.3019

 21.7043, 22.4032,
9.9282

■ 22.9126, 23.8853,
13.2115

■ 24.2804, 25.4773,
17.1936

■ 25.8156, 27.1828,
21.9131

■ 27.5251, 29.0051,
27.4055

Harmonies

Analogous

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



22.9728, 16.4799, 4.2675



17.7128, 16.4799, 2.2474



12.8567, 16.4799, 2.4507

Triad

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



17.7128, 16.4799, 2.2474



8.2014, 16.4799, 27.9552



23.9579, 16.4799, 43.2140

Complementary

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



17.7128, 16.4799, 2.2474



6.6026, 4.2676, 29.7537

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.



18.8520, 16.4799, 58.7640



17.7128, 16.4799, 2.2474



10.0969, 16.4799, 47.2024

Square

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



17.7128, 16.4799, 2.2474



8.0237, 16.4799, 12.8822



13.7790, 16.4799, 60.5206



27.0579, 16.4799, 24.1829

Rectangle

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



17.7128, 16.4799, 2.2474



10.4496, 16.4799, 3.8508



13.7790, 16.4799, 60.5206



22.3749, 16.4799, 49.3748

Sweetspot

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



17.7132, 16.4807, 2.2477



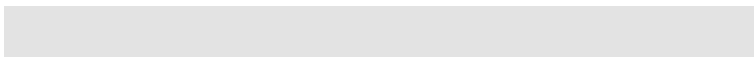
43.3271, 45.4490, 30.3236



13.2923, 6.7913, 3.3873



9.6253, 10.0742, 6.2353



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



17.7132, 16.4807, 2.2477



31.5533, 29.1771, 3.9687



19.2804, 26.3675, 4.0734



6.5466, 6.8983, 6.5923



15.0951, 14.0725, 1.9207



0.2576, 0.2743, 0.0394

Inverse Universe

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



6.6026, 4.2676, 29.7537



11.6785, 7.3510, 53.2370



6.0564, 2.4770, 29.4368



6.0335, 6.3244, 7.8317



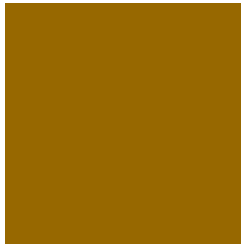
5.6398, 3.6764, 25.3201



0.1141, 0.1146, 0.3885

Previews

White Background



This preview shows how the XYZ color 17.7128, 16.4799, 2.2474 looks on a white background.

Color Contrast Check

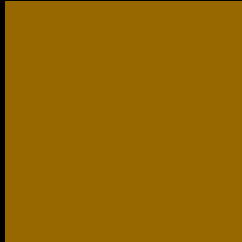
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.7128, 16.4799, 2.2474 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 17.7128, 16.4799, 2.2474

Background



This preview shows how black text looks on a background with the XYZ color 17.7128, 16.4799, 2.2474.



This preview shows how white text looks on a background with the XYZ color 17.7128, 16.4799,

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

17.7128, 16.4799, 2.2474

Protanopia

14.9742, 16.6457, 2.7109

Deuteranopia

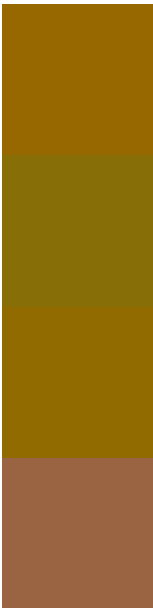
16.6903, 16.5648, 2.3176



Tritanopia

20.4837, 16.6168, 15.2245

Trichromacy



Original Color
17.7128, 16.4799, 2.2474

Protanomaly
15.7621, 16.3992, 2.5069

Deuteranomaly
17.1118, 16.6264, 2.3073

Tritanomaly
18.8670, 16.3777, 7.3211

Monochromacy



Original Color
17.7128, 16.4799, 2.2474

Achromatopsia
13.6994, 14.4128, 15.6956

Achromatomaly
14.0907, 14.6460, 7.3945

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.7128, 16.4799, 2.2474 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(151, 104, 0)` looks like.

```
.text, #text, p{  
    color:rgb(151, 104, 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(151, 104, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 104, 0) }
```

Border

The CSS property to change the border of an element to XYZ 17.7128, 16.4799, 2.2474 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(151, 104, 0) }
```


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

```
.border{ border-color:rgb(151, 104, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 104, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 104, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 104, 0);  
box-shadow:4px 4px 4px 4px rgb(151, 104,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 17.7128, 16.4799, 2.2474 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 104, 0) }
```

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

```
.background{ background-color: rgb(151,  
104, 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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