

Converting Colors

XYZ(17.0659, 16.5033, 1.1446)

Have a look what the booklet for
XYZ(17.0659, 16.5033, 1.1446)
contains.

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Color

**XYZ(17.1867, 16.5111,
2.2811)**

Conversions

Conversions Part 1

Format	Color
Hex	936A00
RGB	147, 106, 0
RGB Percent	58%, 42%, 0%
CMY	0.4235, 0.5843, 1.0000
CMYK	0.00, 0.28, 1.00, 0.42
HSL	43°, 100%, 29%
HSV	43°, 100%, 58%
XYZ	17.1867, 16.5111, 2.2811
YIQ	106.1750, 58.4620, -24.2740

Conversions

Conversions Part 2

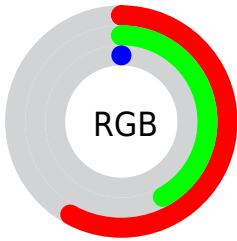
Format	Color
R_{YB}	57, 147, 0
Decimal	9660928
CIE Lab	47.64, 8.44, 54.59
CIE LCh	48, 55.234, 81.212
Yxy	16.5111, 0.4777, 0.4589
Android (android.graphics.Color)	4287851008 (0xFF936A00)
YUV	106.1750, -52.3443, 35.8035
Hunter-Lab	40.6339, 4.3900, 25.1153

Details

The XYZ color **17.1867, 16.5111, 2.2811** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **6.0595, 3.6926, 27.9971**, and the grayscale version is **13.8762, 14.5988, 15.8981**.

A 20% lighter version of the original color is **38.1033, 37.4409, 9.7760**, and **5.8783, 5.3521, 0.7232** is the 20% darker color. If you saturate the color by 10%, you get **17.1869, 16.5116, 2.2812**, and if you desaturate by 10%, it is **17.7039, 17.4109, 2.8686**.

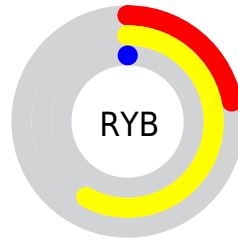
Distribution



Red (58%)

Green (42%)

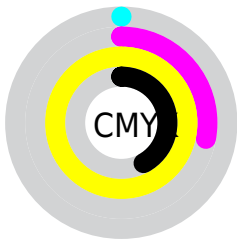
Blue (0%)



Red (22%)

Yellow (58%)

Blue (0%)

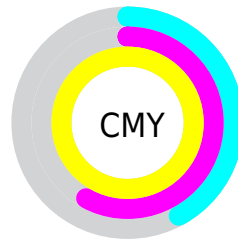


Cyan (0%)

Magenta (28%)

Yellow (100%)

Black (42%)



Cyan (42%)

Magenta (58%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.1867, 16.5111, 2.2811 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 17.1867, 16.5111, 2.2811 by changing the saturation by 10% instead.

■ 17.1867, 16.5111,
2.2811

■ 17.1867, 16.5111,
2.2811

229.3813,
232.3390, 126.5994

■ 10.4638, 9.8865,
0.7206

■ 38.1875, 37.4833,
9.7960

■ 5.7722, 5.3238,
0.0000

■ 53.1962, 52.5996,
16.6074

■ 2.7464, 2.4385,
0.0000

■ 71.6976, 71.3154,
26.0128

■ 1.0211, 0.8456,
0.0000

■ 94.0569, 94.0150,
38.4308


■ 0.0000, 0.0000,
0.0000


■ 120.6396,
121.0827, 54.2800


■ 151.8110,


152.9030, 73.9787


 187.9364,
189.8603, 97.9457


 17.1867, 16.5111,
2.2811


 17.1867, 16.5111,
2.2811


 17.1869, 16.5116,
2.2812

 17.7039, 17.4109,
2.8686

 18.2997, 18.3743,
3.7709

 19.0034, 19.4141,
5.1389

 19.8261, 20.5350,
7.0299

 20.7773, 21.7414,
9.4929

■ 21.8656, 23.0370,
12.5713

■ 23.0985, 24.4253,
16.3041

■ 24.4831, 25.9096,
20.7274

■ 26.0261, 27.4927,
25.8743

Harmonies

Analogous

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



22.4127, 16.5111, 4.0328



17.1867, 16.5111, 2.2811



12.5070, 16.5111, 2.6871

Triad

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



17.1867, 16.5111, 2.2811



8.4107, 16.5111, 29.6993



24.3033, 16.5111, 40.9135

Complementary

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



17.1867, 16.5111, 2.2811



6.0595, 3.6926, 27.9971

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.



19.3794, 16.5111, 57.0256



17.1867, 16.5111, 2.2811



10.4722, 16.5111, 48.5312

Square

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



17.1867, 16.5111, 2.2811



8.0651, 16.5111, 14.1406



14.2890, 16.5111, 60.3721



27.0503, 16.5111, 22.4530

Rectangle

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



17.1867, 16.5111, 2.2811



10.2393, 16.5111, 4.3115



14.2890, 16.5111, 60.3721



22.8046, 16.5111, 47.1139

Sweetspot

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



17.1871, 16.5119, 2.2814



41.2215, 43.5833, 28.7484



12.4444, 6.3678, 2.7314



9.2111, 9.7280, 5.9519



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



17.1871, 16.5119, 2.2814



30.6246, 29.2604, 4.0337



17.5238, 24.5225, 3.8099



6.1301, 6.4740, 6.1670



14.9216, 14.3577, 1.9848



0.2075, 0.2255, 0.0326

Inverse Universe

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



6.0595, 3.6926, 27.9971



10.7201, 6.3498, 50.0952



5.8576, 2.4114, 27.7604



5.6234, 5.8807, 7.3084



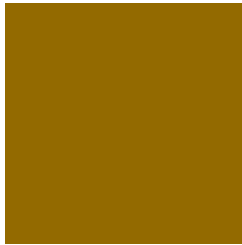
5.2718, 3.2385, 24.2783



0.0868, 0.0841, 0.3046

Previews

White Background



This preview shows how the XYZ color 17.1867, 16.5111, 2.2811 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 17.1867, 16.5111, 2.2811 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 17.1867, 16.5111, 2.2811

Background



This preview shows how black text looks on a background with the XYZ color 17.1867, 16.5111, 2.2811.



This preview shows how white text looks on a background with the XYZ color 17.1867, 16.5111,

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

17.1867, 16.5111, 2.2811

Protanopia

14.9687, 16.6435, 2.6820

Deuteranopia

16.8642, 16.6544, 2.3258



Tritanopia

20.0123, 16.6397, 15.7927

Trichromacy



Original Color

17.1867, 16.5111, 2.2811

Protanomaly

15.7090, 16.5329, 2.5355

Deuteranomaly

16.9347, 16.5351, 2.2990

Tritanomaly

18.3422, 16.3920, 7.5074

Monochromacy



Original Color

17.1867, 16.5111, 2.2811

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

14.0523, 14.7783, 7.4220

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.1867, 16.5111, 2.2811 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(147, 106, 0)` looks like.

```
.text, #text, p{  
    color:rgb(147, 106, 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(147, 106, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 106, 0) }
```

Border

The CSS property to change the border of an element to XYZ 17.1867, 16.5111, 2.2811 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(147, 106, 0) }
```


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

```
.border{ border-color:rgb(147, 106, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 106, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 106, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 106, 0);  
box-shadow:4px 4px 4px 4px rgb(147, 106,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 17.1867, 16.5111, 2.2811 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 106, 0) }
```

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

```
.background{ background-color: rgb(147,  
106, 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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