

Converting Colors

XYZ(17.4500, 16.7972, 2.3225)

Have a look what the booklet for
XYZ(17.4500, 16.7972, 2.3225)
contains.

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Color

**XYZ(17.4704, 16.8113,
2.3241)**

Conversions

Conversions Part 1

Format	Color
Hex	946B00
RGB	148, 107, 0
RGB Percent	58%, 42%, 0%
CMY	0.4196, 0.5804, 1.0000
CMYK	0.00, 0.28, 1.00, 0.42
HSL	43°, 100%, 29%
HSV	43°, 100%, 58%
XYZ	17.4704, 16.8113, 2.3241
YIQ	107.0610, 58.7830, -24.5850

Conversions

Conversions Part 2

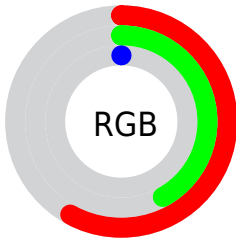
Format	Color
R_{YB}	57, 148, 0
Decimal	9726720
CIE Lab	48.02, 8.33, 54.90
CIE LCh	48, 55.532, 81.369
Yxy	16.8113, 0.4773, 0.4593
Android (android.graphics.Color)	4287916800 (0xFF946B00)
YUV	107.0610, -52.7811, 35.9035
Hunter-Lab	41.0016, 4.3044, 25.3404

Details

The XYZ color **17.4704, 16.8113, 2.3241** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **6.1382, 3.7240, 28.4119**, and the grayscale version is **14.1231, 14.8586, 16.1810**.

A 20% lighter version of the original color is **38.5500, 37.9233, 9.8456**, and **6.0295, 5.5070, 0.7452** is the 20% darker color. If you saturate the color by 10%, you get **17.4706, 16.8118, 2.3242**, and if you desaturate by 10%, it is **17.9932, 17.7214, 2.9169**.

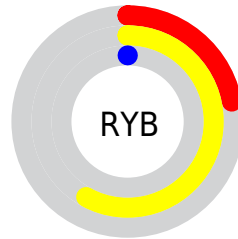
Distribution



Red (58%)

Green (42%)

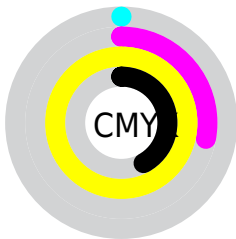
Blue (0%)



Red (22%)

Yellow (58%)

Blue (0%)

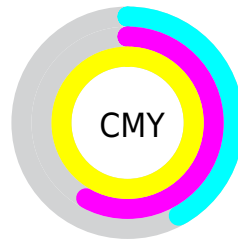


Cyan (0%)

Magenta (28%)

Yellow (100%)

Black (42%)



Cyan (42%)


Magenta (58%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 17.4704, 16.8113, 2.3241 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 17.4704, 16.8113, 2.3241 by changing the saturation by 10% instead.


 17.4704, 16.8113,
2.3241


 17.4704, 16.8113,
2.3241


230.9725,
234.0826, 127.2222

 10.6678, 10.1000,
0.7447


 38.6700, 38.0010,
9.9093


 5.9096, 5.4653,
0.0000

 53.7977, 53.2483,
16.7684


 2.8303, 2.5228,
0.0000

 72.4312, 72.1097,
26.2299

 1.0647, 0.8880,
0.0000

 94.9358, 94.9697,
38.7123


 0.0000, 0.0000,
0.0000


 121.6769,
122.2125, 54.6343


 153.0198,


154.2227, 74.4142


 189.3299,
191.3846, 98.4706


 17.4704, 16.8113,
2.3241


 17.4704, 16.8113,
2.3241


 17.4706, 16.8118,
2.3242

 17.9932, 17.7214,
2.9169

 18.5959, 18.6955,
3.8305

 19.3079, 19.7467,
5.2169

 20.1404, 20.8798,
7.1343

 21.1032, 22.0992,
9.6328

■ 22.2050, 23.4087,
12.7563

■ 23.4535, 24.8117,
16.5448

■ 24.8558, 26.3117,
21.0346

■ 26.4187, 27.9115,
26.2596

Harmonies

Analogous

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



22.7891, 16.8113, 4.0937



17.4704, 16.8113, 2.3241



12.7152, 16.8113, 2.7483

Triad

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



17.4704, 16.8113, 2.3241



8.5737, 16.8113, 30.3291



24.7609, 16.8113, 41.5360

Complementary

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



17.4704, 16.8113, 2.3241



6.1382, 3.7240, 28.4119

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.



19.7576, 16.8113, 57.9674



17.4704, 16.8113, 2.3241



10.6813, 16.8113, 49.4787

Square

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



17.4704, 16.8113, 2.3241



8.2131, 16.8113, 14.4639



14.5743, 16.8113, 61.4563



27.5391, 16.8113, 22.7714

Rectangle

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



17.4704, 16.8113, 2.3241



10.4136, 16.8113, 4.4144



14.5743, 16.8113, 61.4563



23.2395, 16.8113, 47.8502

Sweetspot

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



17.4708, 16.8121, 2.3244



41.2427, 43.6256, 28.7554



12.6294, 6.4627, 2.7664



9.2165, 9.7387, 5.9537



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.



17.4708, 16.8121, 2.3244



30.6765, 29.3642, 4.0510



17.7835, 24.8880, 3.8667



6.1310, 6.4758, 6.1673



14.9464, 14.4072, 1.9931



0.2077, 0.2259, 0.0327

Inverse Universe

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



6.1382, 3.7240, 28.4119



10.7036, 6.3167, 50.0897



5.9432, 2.4464, 28.1756



5.6225, 5.8790, 7.3082



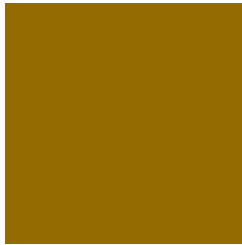
5.2635, 3.2217, 24.2755



0.0865, 0.0837, 0.3045

Previews

White Background



This preview shows how the XYZ color 17.4704, 16.8113, 2.3241 looks on a white background.

Color Contrast Check

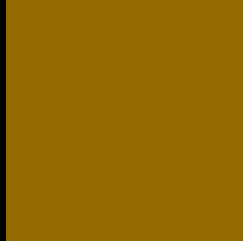
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.4704, 16.8113, 2.3241 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 17.4704, 16.8113, 2.3241

Background



This preview shows how black text looks on a background with the XYZ color 17.4704, 16.8113, 2.3241.



This preview shows how white text looks on a background with the XYZ color 17.4704, 16.8113,

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

17.4704, 16.8113, 2.3241

Protanopia

15.2333, 16.9483, 2.7269

Deuteranopia

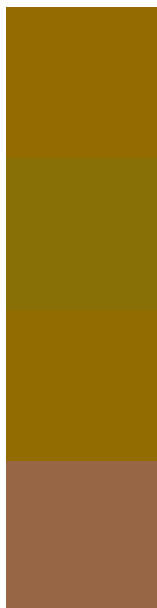
17.0396, 16.7449, 2.3340



Tritanopia

20.2526, 16.7575, 16.0770

Trichromacy



Original Color

17.4704, 16.8113, 2.3241

Protanomaly

15.9804, 16.8357, 2.5797

Deuteranomaly

17.2166, 16.8361, 2.3423

Tritanomaly

18.5573, 16.4994, 7.6755

Monochromacy



Original Color

17.4704, 16.8113, 2.3241

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

14.3271, 15.0703, 7.6226

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.4704, 16.8113, 2.3241 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(148, 107, 0)` looks like.

```
.text, #text, p{  
    color:rgb(148, 107, 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(148, 107, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 107, 0) }
```

Border

The CSS property to change the border of an element to XYZ 17.4704, 16.8113, 2.3241 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(148, 107, 0) }
```


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

```
.border{ border-color:rgb(148, 107, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 107, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 107, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 107, 0);  
box-shadow:4px 4px 4px 4px rgb(148, 107,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 17.4704, 16.8113, 2.3241 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 107, 0) }
```

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

```
.background{ background-color: rgb(148,  
107, 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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