

Converting Colors

XYZ(15.6742, 13.8323, 0.0000)

Have a look what the booklet for
XYZ(15.6742, 13.8323, 0.0000)
contains.

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Color

**XYZ(16.0399, 13.9502,
1.8473)**

Conversions

Conversions Part 1

Format	Color
Hex	945C00
RGB	148, 92, 0
RGB Percent	58%, 36%, 0%
CMY	0.4196, 0.6392, 1.0000
CMYK	0.00, 0.38, 1.00, 0.42
HSL	37°, 100%, 29%
HSV	37°, 100%, 58%
XYZ	16.0399, 13.9502, 1.8473
YIQ	98.2560, 62.9080, -16.7400

Conversions

Conversions Part 2

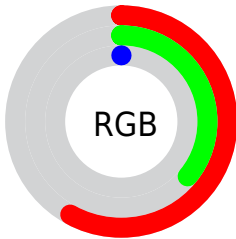
Format	Color
R _Y B	90, 148, 0
Decimal	9722880
CIE Lab	44.16, 16.99, 52.34
CIE LCh	44, 55.024, 72.015
Yxy	13.9502, 0.5038, 0.4382
Android (android.graphics.Color)	4287912960 (0xFF945C00)
YUV	98.2560, -48.4402, 43.6255
Hunter-Lab	37.3500, 11.2942, 23.2125

Details

The XYZ color **16.0399, 13.9502, 1.8473** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **6.7595, 4.9666, 28.6191**, and the grayscale version is **11.7799, 12.3934, 13.4964**.

A 20% lighter version of the original color is **36.1945, 32.9272, 8.5856**, and **5.2914, 4.1781, 0.5276** is the 20% darker color. If you saturate the color by 10%, you get **16.0400, 13.9505, 1.8473**, and if you desaturate by 10%, it is **16.6282, 14.9913, 2.4619**.

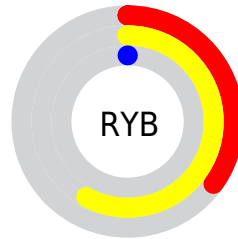
Distribution



Red (58%)

Green (36%)

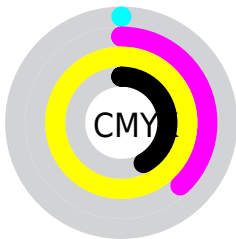
Blue (0%)



Red (35%)

Yellow (58%)

Blue (0%)

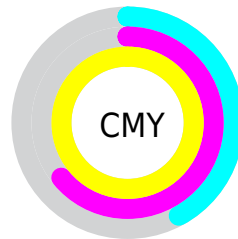


Cyan (0%)

Magenta (38%)

Yellow (100%)

Black (42%)



Cyan (42%)


Magenta (64%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 16.0399, 13.9502, 1.8473 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 16.0399, 13.9502, 1.8473 by changing the saturation by 10% instead.


 16.0399, 13.9502,
1.8473


 16.0399, 13.9502,
1.8473


 222.8428,
216.9208, 119.9587


 9.6434, 8.0860,
0.4589


 36.2243, 33.0006,
8.6190

 5.2236, 4.1501,
0.0000

 50.7430, 46.9557,
14.9225


 2.4152, 1.7578,
0.0000

 68.6998, 64.3765,
23.7291

 0.8527, 0.4607,
0.0000


 90.4601, 85.6475,
35.4575


 0.0000, 0.0000,
0.0000


 116.3891,
111.1530, 50.5261


 146.8524,


141.2775, 69.3535


 182.2151,
176.4053, 92.3582


 16.0399, 13.9502,
1.8473


 16.0399, 13.9502,
1.8473


 16.0400, 13.9505,
1.8473

 16.6282, 14.9913,
2.4619

 17.3125, 16.1287,
3.4027

 18.1226, 17.3762,
4.8218

 19.0703, 18.7396,
6.7777

 20.1657, 20.2240,
9.3203

■ 21.4178, 21.8342,
12.4940

■ 22.8349, 23.5744,
16.3387

■ 24.4244, 25.4487,
20.8909

■ 26.1934, 27.4608,
26.1847

Harmonies

Analogous

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



20.5708, 13.9502, 4.0748



16.0399, 13.9502, 1.8473



11.5787, 13.9502, 1.6919

Triad

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



16.0399, 13.9502, 1.8473



6.5986, 13.9502, 20.7973



19.7489, 13.9502, 41.1574

Complementary

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



16.0399, 13.9502, 1.8473



6.7595, 4.9666, 28.6191

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.



15.0950, 13.9502, 53.2215



16.0399, 13.9502, 1.8473



7.9249, 13.9502, 37.7931

Square

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



16.0399, 13.9502, 1.8473



6.7425, 13.9502, 8.8813



10.8201, 13.9502, 51.7322



23.0164, 13.9502, 23.9426

Rectangle

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



16.0399, 13.9502, 1.8473



9.2692, 13.9502, 2.5300



10.8201, 13.9502, 51.7322



18.2560, 13.9502, 46.2870

Sweetspot

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



16.0402, 13.9509, 1.8476



40.1321, 41.4044, 28.3852



12.9447, 6.5888, 4.4260



8.9362, 9.1782, 5.8603



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.



16.0402, 13.9509, 1.8476



28.1323, 24.2759, 3.2030



19.9087, 25.9837, 3.9662



6.0829, 6.3796, 6.1513



13.7276, 11.9695, 1.5868



0.1965, 0.2035, 0.0289

Inverse Universe

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



6.7595, 4.9666, 28.6191



11.7723, 8.4542, 50.4459



5.5814, 2.2599, 28.1588



5.6686, 5.9712, 7.3235



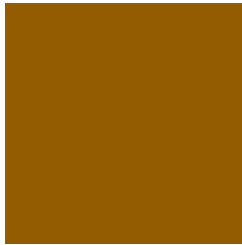
5.7982, 4.2912, 24.4537



0.0978, 0.1061, 0.3082

Previews

White Background



This preview shows how the XYZ color 16.0399, 13.9502, 1.8473 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



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 16.0399, 13.9502, 1.8473

Background



This preview shows how black text looks on a background with the XYZ color 16.0399, 13.9502, 1.8473.



This preview shows how white text looks on a background with the XYZ color 16.0399, 13.9502,

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

16.0399, 13.9502, 1.8473

Protanopia

12.5832, 13.9789, 2.3516

Deuteranopia

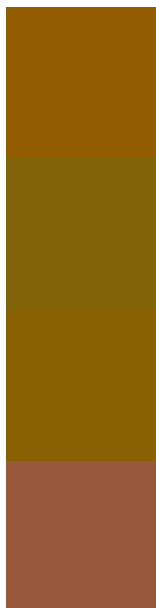
14.2300, 14.1009, 1.9717



Tritanopia

18.2085, 14.1037, 11.8878

Trichromacy



Original Color

16.0399, 13.9502, 1.8473

Protanomaly

13.6488, 13.7968, 2.1447

Deuteranomaly

14.7559, 13.9527, 1.9154

Tritanomaly

17.0416, 13.8745, 5.9175

Monochromacy



Original Color

16.0399, 13.9502, 1.8473

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

12.2548, 12.4265, 6.3101

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.0399, 13.9502, 1.8473 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, 92, 0)` looks like.

```
.text, #text, p{  
    color:rgb(148, 92, 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, 92, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 92, 0) }
```

Border

The CSS property to change the border of an element to XYZ 16.0399, 13.9502, 1.8473 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, 92, 0) }
```


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

```
.border{ border-color:rgb(148, 92, 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, 92, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 92, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 92, 0);  
box-shadow:4px 4px 4px 4px rgb(148, 92, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.0399, 13.9502, 1.8473 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 92, 0) }
```

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

```
.background{ background-color: rgb(148, 92,  
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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