

Converting Colors

XYZ(16.4142, 14.8314, 0.5737)

Have a look what the booklet for
XYZ(16.4142, 14.8314, 0.5737)
contains.

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Color

**XYZ(16.6691, 14.9389,
2.0049)**

Conversions

Conversions Part 1

Format	Color
Hex	956100
RGB	149, 97, 0
RGB Percent	58%, 38%, 0%
CMY	0.4157, 0.6196, 1.0000
CMYK	0.00, 0.35, 1.00, 0.42
HSL	39°, 100%, 29%
HSV	39°, 100%, 58%
XYZ	16.6691, 14.9389, 2.0049
YIQ	101.4900, 62.1290, -19.1430

Conversions

Conversions Part 2

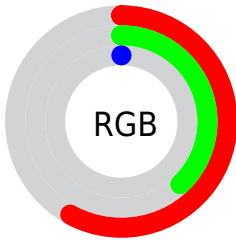
Format	Color
R_{YB}	80, 149, 0
Decimal	9789696
CIE _{Lab}	45.55, 14.57, 53.31
CIE _{LCh}	46, 55.264, 74.714
Yxy	14.9389, 0.4959, 0.4444
Android (android.graphics.Color)	4287979776 (0xFF956100)
YUV	101.4900, -50.0346, 41.6663
Hunter-Lab	38.6509, 9.3433, 23.9801

Details

The XYZ color **16.6691, 14.9389, 2.0049** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **6.6528, 4.6258, 28.9758**, and the grayscale version is **12.6116, 13.2683, 14.4492**.

A 20% lighter version of the original color is **37.4179, 34.9160, 9.0423**, and **5.6980, 4.6948, 0.6059** is the 20% darker color. If you saturate the color by 10%, you get **16.6693, 14.9394, 2.0050**, and if you desaturate by 10%, it is **17.2513, 15.9666, 2.6210**.

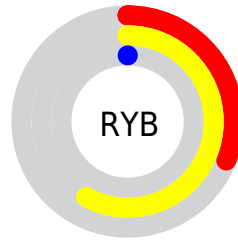
Distribution



Red (58%)

Green (38%)

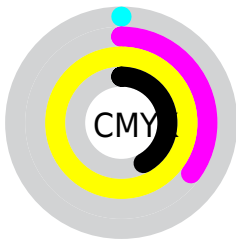
Blue (0%)



Red (31%)

Yellow (58%)

Blue (0%)

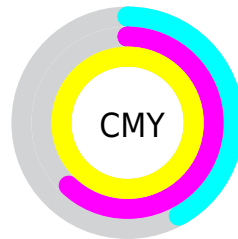


Cyan (0%)

Magenta (35%)

Yellow (100%)

Black (42%)



Cyan (42%)

Magenta (62%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.6691, 14.9389, 2.0049 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 16.6691, 14.9389, 2.0049 by changing the saturation by 10% instead.

■ 16.6691, 14.9389,
2.0049

■ 16.6691, 14.9389,
2.0049

■ 226.4518,
222.9961, 122.4528

■ 10.0927, 8.7765,
0.5583

■ 37.3041, 34.7460,
9.0542

■ 5.5232, 4.5957,
0.0000

■ 52.0934, 49.1594,
15.5483

■ 2.5953, 2.0121,
0.0000

■ 70.3510, 67.0920,
24.5800

■ 0.9435, 0.6145,
0.0000


■ 92.4424, 88.9282,
36.5680


■ 0.0000, 0.0000,
0.0000


■ 118.7328,
115.0523, 51.9307


■ 149.5876,


145.8487, 71.0867


 185.3721,
181.7018, 94.4546


 16.6691, 14.9389,
2.0049


 16.6691, 14.9389,
2.0049


 16.6693, 14.9394,
2.0050

 17.2513, 15.9666,
2.6210

 17.9260, 17.0820,
3.5675

 18.7232, 18.2986,
4.9980

 19.6547, 19.6220,
6.9717

 20.7307, 21.0573,
9.5397

■ 21.9601, 22.6087,
12.7468

■ 23.3511, 24.2805,
16.6335

■ 24.9114, 26.0763,
21.2371

■ 26.6478, 28.0000,
26.5921

Harmonies

Analogous

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



21.4839, 14.9389, 4.1376



16.6691, 14.9389, 2.0049



12.0624, 14.9389, 1.9887

Triad

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



16.6691, 14.9389, 2.0049



7.2298, 14.9389, 23.6116



21.4014, 14.9389, 41.8315

Complementary

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



16.6691, 14.9389, 2.0049



6.6528, 4.6258, 28.9758

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.



16.5740, 14.9389, 55.3026



16.6691, 14.9389, 2.0049



8.7808, 14.9389, 41.4954

Square

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



16.6691, 14.9389, 2.0049



7.2445, 14.9389, 10.4440



11.9858, 14.9389, 55.1541



24.5931, 14.9389, 23.9274

Rectangle

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



16.6691, 14.9389, 2.0049



9.7217, 14.9389, 3.0431



11.9858, 14.9389, 55.1541



19.8751, 14.9389, 47.3723

Sweetspot

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



16.6694, 14.9397, 2.0052



41.6583, 43.2942, 29.3270



13.0176, 6.6389, 3.8621



9.0161, 9.3379, 5.8869



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.



16.6694, 14.9397, 2.0052



29.6793, 26.4079, 3.5330



19.4478, 25.9800, 3.9897



6.0968, 6.4074, 6.1559



14.0581, 12.6306, 1.6970



0.1998, 0.2100, 0.0300

Inverse Universe

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



6.6528, 4.6258, 28.9758



11.7600, 7.9758, 51.8409



5.7635, 2.3446, 28.5823



5.6552, 5.9443, 7.3190



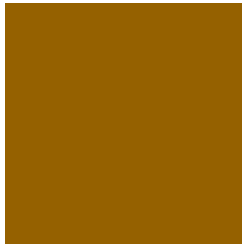
5.6249, 3.9446, 24.3960



0.0945, 0.0996, 0.3072

Previews

White Background



This preview shows how the XYZ color 16.6691, 14.9389, 2.0049 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 16.6691, 14.9389, 2.0049 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 16.6691, 14.9389, 2.0049

Background



This preview shows how black text looks on a background with the XYZ color 16.6691, 14.9389, 2.0049.



This preview shows how white text looks on a background with the XYZ color 16.6691, 14.9389,

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

16.6691, 14.9389, 2.0049

Protanopia

13.5495, 15.0968, 2.4870

Deuteranopia

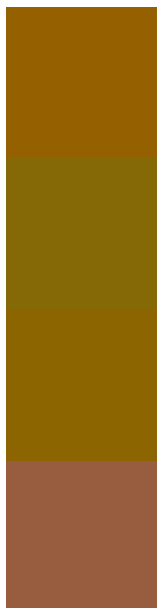
15.1668, 15.0189, 2.0996



Tritanopia

18.9507, 14.9477, 13.1956

Trichromacy



Original Color

16.6691, 14.9389, 2.0049

Protanomaly

14.6002, 15.0218, 2.3023

Deuteranomaly

15.6382, 14.9701, 2.0653

Tritanomaly

17.7327, 14.8519, 6.4895

Monochromacy



Original Color

16.6691, 14.9389, 2.0049

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

12.9538, 13.3361, 6.7419

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.6691, 14.9389, 2.0049 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(149, 97, 0)` looks like.

```
.text, #text, p{  
    color:rgb(149, 97, 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(149, 97, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 97, 0) }
```

Border

The CSS property to change the border of an element to XYZ 16.6691, 14.9389, 2.0049 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(149, 97, 0) }
```


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

```
.border{ border-color:rgb(149, 97, 0) }
```

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

Here you see how a box with a 4 pixel rgb(149, 97, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 97, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 97, 0);  
box-shadow:4px 4px 4px 4px rgb(149, 97, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.6691, 14.9389, 2.0049 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 97, 0) }
```

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

```
.background{ background-color: rgb(149, 97,  
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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