

Converting Colors

XYZ(16.5306, 16.0739, 2.9614)

Have a look what the booklet for
XYZ(16.5306, 16.0739, 2.9614)
contains.

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Color

**XYZ(16.5146, 15.9969,
2.9268)**

Conversions

Conversions Part 1

Format	Color
Hex	8F6915
RGB	143, 105, 21
RGB Percent	56%, 41%, 8%
CMY	0.4392, 0.5882, 0.9176
CMYK	0.00, 0.27, 0.85, 0.44
HSL	41°, 74%, 32%
HSV	41°, 85%, 56%
XYZ	16.5146, 15.9969, 2.9268
YIQ	106.7860, 49.6120, -18.0680

Conversions

Conversions Part 2

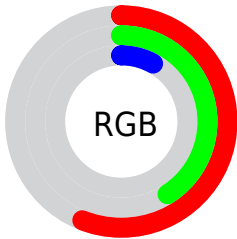
Format	Color
R _Y B	76, 143, 21
Decimal	9398549
CIE Lab	46.97, 7.58, 48.66
CIE LCh	47, 49.246, 81.144
Yxy	15.9969, 0.4660, 0.4514
Android (android.graphics.Color)	4287588629 (0xFF8F6915)
YUV	106.7860, -42.2925, 31.7597
Hunter-Lab	39.9961, 3.7103, 23.6586

Details

The XYZ color **16.5146, 15.9969, 2.9268** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **6.8312, 5.2705, 26.6436**, and the grayscale version is **14.0200, 14.7502, 16.0629**.

A 20% lighter version of the original color is **36.9105, 36.5373, 11.4103**, and **5.5376, 5.1008, 0.6927** is the 20% darker color. If you saturate the color by 10%, you get **15.9744, 15.0745, 2.2603**, and if you desaturate by 10%, it is **17.1531, 16.9979, 3.9908**.

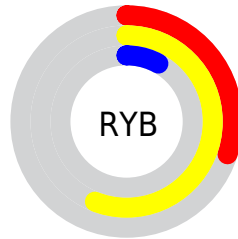
Distribution



Red (56%)

Green (41%)

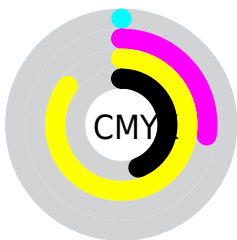
Blue (8%)



Red (30%)

Yellow (56%)

Blue (8%)

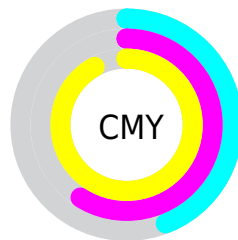


Cyan (0%)

Magenta (27%)

Yellow (85%)

Black (44%)



Cyan (44%)

Magenta (59%)

Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.5146, 15.9969, 2.9268 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 16.5146, 15.9969, 2.9268 by changing the saturation by 10% instead.

■ 16.5146, 15.9969,
2.9268

■ 16.5146, 15.9969,
2.9268

225.5706,
229.3234, 135.4228

■ 9.9822, 9.5220,
1.0574

■ 37.0396, 36.5928,
11.4473

■ 5.4493, 5.0832,
0.0000

■ 51.7628, 51.4826,
18.9354

■ 2.5507, 2.2961,
0.0000

■ 69.9471, 69.9461,
29.1335

■ 0.9209, 0.7717,
0.0000

■ 91.9577, 92.3677,
42.4602

■ 0.0000, 0.0000,
0.0000

■ 118.1600,
119.1319, 59.3339

■ 148.9193,

150.6230, 80.1732

184.6011,
187.2253, 105.3966

16.5146, 15.9969,
2.9268

16.5146, 15.9969,
2.9268

15.9744, 15.0745,
2.2603

17.1531, 16.9979,
3.9908

15.7386, 14.6617,
2.0005

17.9021, 18.0811,
5.5195

18.7718, 19.2517,
7.5628

19.7706, 20.5136,
10.1636

20.9061, 21.8704,
13.3606

■ 22.1853, 23.3254,
17.1888

■ 23.6147, 24.8817,
21.6806

■ 25.2002, 26.5422,
26.8660

■ 26.9475, 28.3096,
32.7732

Harmonies

Analogous

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



21.0100, 15.9969, 4.7127



16.5146, 15.9969, 2.9268



12.4105, 15.9969, 3.3451

Triad

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



16.5146, 15.9969, 2.9268



8.7183, 15.9969, 27.4424



22.6026, 15.9969, 36.9202

Complementary

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



16.5146, 15.9969, 2.9268



6.8312, 5.2705, 26.6436

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.



18.3894, 15.9969, 50.1944



16.5146, 15.9969, 2.9268



10.5811, 15.9969, 43.1618

Square

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



16.5146, 15.9969, 2.9268



8.4057, 15.9969, 14.0178



13.9657, 15.9969, 52.9007



24.9353, 15.9969, 21.3276

Rectangle

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



16.5146, 15.9969, 2.9268



10.3836, 15.9969, 4.9718



13.9657, 15.9969, 52.9007



21.3256, 15.9969, 42.0574

Sweetspot

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



16.5150, 15.9977, 2.9271



39.4329, 41.4403, 29.8708



12.4019, 6.6985, 4.8640



8.8766, 9.3160, 6.3468



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



16.5150, 15.9977, 2.9271



28.0280, 25.9415, 3.5300



17.7917, 23.7374, 4.3537



5.6998, 6.0059, 5.7482



13.9352, 13.0021, 1.7752



0.1529, 0.1637, 0.0235

Inverse Universe

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



6.8312, 5.2705, 26.6436



10.3908, 6.5753, 47.2595



6.2380, 3.0413, 26.2446



5.2581, 5.5120, 6.8156



5.2150, 3.4160, 23.3616



0.0678, 0.0685, 0.2293

Previews

White Background



This preview shows how the XYZ color 16.5146, 15.9969, 2.9268 looks on a white background.

Color Contrast Check

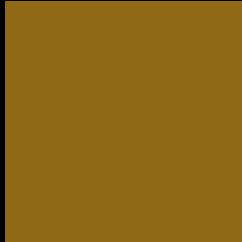
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.5146, 15.9969, 2.9268 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 16.5146, 15.9969, 2.9268

Background



This preview shows how black text looks on a background with the XYZ color 16.5146, 15.9969, 2.9268.



This preview shows how white text looks on a background with the XYZ color 16.5146, 15.9969,

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

16.5146, 15.9969, 2.9268

Protanopia

14.5530, 16.0858, 3.1485

Deuteranopia

16.2648, 16.0213, 2.8970



Tritanopia

19.1302, 16.0512, 15.4545

Trichromacy



Original Color

16.5146, 15.9969, 2.9268

Protanomaly

15.1292, 15.9007, 3.0308

Deuteranomaly

16.4356, 16.1094, 2.9050

Tritanomaly

17.7438, 15.9128, 8.6148

Monochromacy



Original Color

16.5146, 15.9969, 2.9268

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

14.2043, 14.8229, 8.9499

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.5146, 15.9969, 2.9268 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(143, 105, 21)` looks like.

```
.text, #text, p{  
    color:rgb(143, 105, 21)  
}
```

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(143, 105, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 105, 21) }
```

Border

The CSS property to change the border of an element to XYZ 16.5146, 15.9969, 2.9268 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(143, 105, 21) }
```


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

```
.border{ border-color:rgb(143, 105, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 105, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 105, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 105, 21);  
box-shadow:4px 4px 4px 4px rgb(143, 105,  
21) }
```

Background

The CSS property to change the background color of an element to XYZ 16.5146, 15.9969, 2.9268 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 105, 21) }
```

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

```
.background{ background-color: rgb(143,  
105, 21) }
```

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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