

Converting Colors

XYZ(16.6334, 15.6447, 2.2353)

Have a look what the booklet for
XYZ(16.6334, 15.6447, 2.2353)
contains.

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Color

**XYZ(16.6219, 15.6203,
2.2251)**

Conversions

Conversions Part 1

Format	Color
Hex	926603
RGB	146, 102, 3
RGB Percent	57%, 40%, 1%
CMY	0.4275, 0.6000, 0.9882
CMYK	0.00, 0.30, 0.98, 0.43
HSL	42°, 96%, 29%
HSV	42°, 98%, 57%
XYZ	16.6219, 15.6203, 2.2251
YIQ	103.8700, 58.0030, -21.4610

Conversions

Conversions Part 2

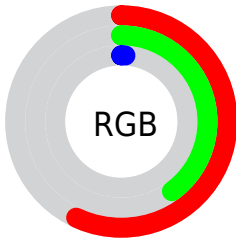
Format	Color
R_{YB}	67, 146, 3
Decimal	9594371
CIE Lab	46.47, 10.33, 53.03
CIE LCh	46, 54.028, 78.976
Yxy	15.6203, 0.4823, 0.4532
Android (android.graphics.Color)	4287784451 (0xFF926603)
YUV	103.8700, -49.7289, 36.9480
Hunter-Lab	39.5225, 5.9069, 24.3278

Details

The XYZ color **16.6219, 15.6203, 2.2251** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **6.2425, 4.1278, 27.6618**, and the grayscale version is **13.2418, 13.9314, 15.1713**.

A 20% lighter version of the original color is **37.1903, 35.9787, 9.6871**, and **5.5826, 4.9060, 0.6527** is the 20% darker color. If you saturate the color by 10%, you get **16.5154, 15.4337, 2.1086**, and if you desaturate by 10%, it is **17.1653, 16.5640, 2.8480**.

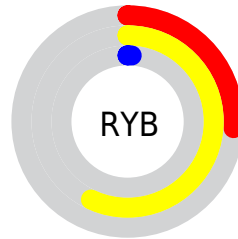
Distribution



Red (57%)

Green (40%)

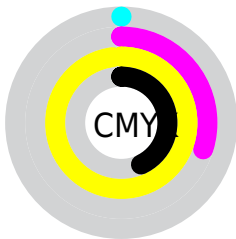
Blue (1%)



Red (26%)

Yellow (57%)

Blue (1%)

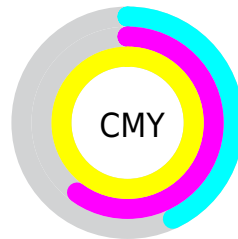


Cyan (0%)

Magenta (30%)

Yellow (98%)

Black (43%)



Cyan (43%)

Magenta (60%)

Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.6219, 15.6203, 2.2251 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 16.6219, 15.6203, 2.2251 by changing the saturation by 10% instead.

■ 16.6219, 15.6203,
2.2251

■ 16.6219, 15.6203,
2.2251

226.1829,
227.0906, 125.7797

■ 10.0589, 9.2559,
0.6888

■ 37.2233, 35.9378,
9.6475

■ 5.5006, 4.9085,
0.0000

■ 51.9925, 50.6596,
16.3962

■ 2.5816, 2.1936,
0.0000

■ 70.2277, 68.9360,
25.7278

■ 0.9366, 0.7165,
0.0000


■ 92.2944, 91.1514,
38.0609


■ 0.0000, 0.0000,
0.0000


■ 118.5580,
117.6901, 53.8142


■ 149.3837,


148.9367, 73.4060


 185.1369,
185.2754, 97.2550


 16.6219, 15.6203,
2.2251


 16.6219, 15.6203,
2.2251

 16.5154, 15.4337,
2.1086

 17.1653, 16.5640,
2.8480

 17.8007, 17.5827,
3.8368

 18.5488, 18.6859,
5.2979

 19.4204, 19.8785,
7.2857

 20.4247, 21.1648,
9.8472

■ 21.5699, 22.5485,
13.0240

■ 22.8634, 24.0332,
16.8539

■ 24.3123, 25.6222,
21.3716

■ 25.9229, 27.3185,
26.6095

Harmonies

Analogous

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



21.5188, 15.6203, 4.0844



16.6219, 15.6203, 2.2251



12.1262, 15.6203, 2.4703

Triad

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



16.6219, 15.6203, 2.2251



7.8978, 15.6203, 26.7613



22.6607, 15.6203, 39.9448

Complementary

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



16.6219, 15.6203, 2.2251



6.2425, 4.1278, 27.6618

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.



17.9462, 15.6203, 54.5062



16.6219, 15.6203, 2.2251



9.7195, 15.6203, 44.5451

Square

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



16.6219, 15.6203, 2.2251



7.6891, 15.6203, 12.5682



13.2025, 15.6203, 56.5274



25.4591, 15.6203, 22.3864

Rectangle

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



16.6219, 15.6203, 2.2251



9.9051, 15.6203, 3.8614



13.2025, 15.6203, 56.5274



21.2069, 15.6203, 45.6719

Sweetspot

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



16.6222, 15.6211, 2.2254



39.9399, 41.9540, 28.5387



12.4261, 6.3920, 3.4063



8.6883, 9.1088, 5.7615



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.



16.6222, 15.6211, 2.2254



28.9802, 26.9170, 3.6681



18.0111, 24.5419, 3.8741



6.1164, 6.4466, 6.1624



14.5539, 13.6223, 1.8623



0.2043, 0.2191, 0.0315

Inverse Universe

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



6.2425, 4.1278, 27.6618



10.6688, 6.6931, 48.7031



5.7339, 2.4050, 27.3560



5.6364, 5.9068, 7.3128



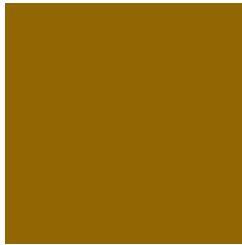
5.4068, 3.5084, 24.3232



0.0899, 0.0905, 0.3056

Previews

White Background



This preview shows how the XYZ color 16.6219, 15.6203, 2.2251 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 16.6219, 15.6203, 2.2251 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 16.6219, 15.6203, 2.2251

Background



This preview shows how black text looks on a background with the XYZ color 16.6219, 15.6203, 2.2251.



This preview shows how white text looks on a background with the XYZ color 16.6219, 15.6203,

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

16.6219, 15.6203, 2.2251

Protanopia

14.1967, 15.7508, 2.5791

Deuteranopia

15.8668, 15.6786, 2.1900



Tritanopia

19.2530, 15.7230, 14.5905

Trichromacy



Original Color

16.6219, 15.6203, 2.2251

Protanomaly

15.0738, 15.7270, 2.4422

Deuteranomaly

16.1111, 15.6536, 2.2010

Tritanomaly

17.7455, 15.5183, 7.2143

Monochromacy



Original Color

16.6219, 15.6203, 2.2251

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

13.4711, 14.0277, 7.3078

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.6219, 15.6203, 2.2251 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(146, 102, 3)` looks like.

```
.text, #text, p{  
    color:rgb(146, 102, 3)  
}
```

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(146, 102, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 102, 3) }
```

Border

The CSS property to change the border of an element to XYZ 16.6219, 15.6203, 2.2251 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(146, 102, 3) }
```


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

```
.border{ border-color:rgb(146, 102, 3) }
```

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

Here you see how a box with a 4 pixel rgb(146, 102, 3) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 102, 3); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 102, 3);  
box-shadow:4px 4px 4px 4px rgb(146, 102,  
3) }
```

Background

The CSS property to change the background color of an element to XYZ 16.6219, 15.6203, 2.2251 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 102, 3) }
```

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

```
.background{ background-color: rgb(146,  
102, 3) }
```

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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