

Converting Colors

XYZ(16.9330, 16.2251, 2.3829)

Have a look what the booklet for
XYZ(16.9330, 16.2251, 2.3829)
contains.

| | |
|--|----|
| XYZ(16.9330, 16.2251, 2.3829) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 28 |
| <i>CSS Examples</i> | 31 |

Color

**XYZ(16.9330, 16.2251,
2.3829)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|-----------------------------|
| Hex | 926905 |
| RGB | 146, 105, 5 |
| RGB Percent | 57%, 41%, 2% |
| CMY | 0.4275, 0.5882, 0.9804 |
| CMYK | 0.00, 0.28, 0.97, 0.43 |
| HSL | 43°, 93%, 30% |
| HSV | 43°, 97%, 57% |
| XYZ | 16.9330, 16.2251, 2.3829 |
| YIQ | 105.8590, 56.5360, -22.4080 |

Conversions

Conversions Part 2

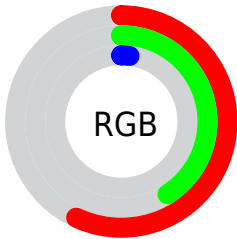
| Format | Color |
|-------------------------------------|---|
| RYB | 63, 146, 5 |
| Decimal | 9595141 |
| CIELab | 47.27, 8.63, 53.14 |
| CIELCh | 47, 53.837, 80.772 |
| Yxy | 16.2251, 0.4764, 0.4565 |
| Android (android.graphics.Color) | 4287785221 (0xFF926905) |
| YUV | 105.8590, -49.7235, 35.2037 |
| Hunter-Lab | 40.2804, 4.5468, 24.6888 |

Details

The XYZ color **16.9330, 16.2251, 2.3829** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **6.2280, 4.0617, 27.6495**, and the grayscale version is **13.7826, 14.5003, 15.7909**.

A 20% lighter version of the original color is **37.7157, 36.9845, 10.0014**, and **5.7295, 5.1998, 0.7017** is the 20% darker color. If you saturate the color by 10%, you get **16.7589, 15.9209, 2.1897**, and if you desaturate by 10%, it is **17.4720, 17.1506, 3.0331**.

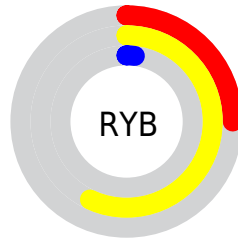
Distribution



Red (57%)

Green (41%)

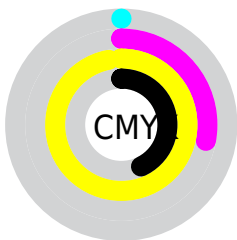
Blue (2%)



Red (25%)

Yellow (57%)

Blue (2%)

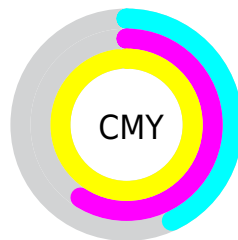


Cyan (0%)

Magenta (28%)

Yellow (97%)

Black (43%)



Cyan (43%)


Magenta (59%)


Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.9330, 16.2251, 2.3829 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 16.9330, 16.2251, 2.3829 by changing the saturation by 10% instead.


 16.9330, 16.2251,
2.3829


 16.9330, 16.2251,
2.3829


227.9498,
230.6663, 128.0647


 10.2817, 9.6836,
0.7771


 37.7551, 36.9885,
10.0634


 5.6499, 5.1897,
0.0000

 52.6566, 51.9793,
16.9871


 2.6720, 2.3590,
0.0000

 71.0389, 70.5552,
26.5244

 0.9828, 0.8047,
0.0000

 93.2673, 93.1007,
39.0939


 0.0000, 0.0000,
0.0000


 119.7073,
120.0001, 55.1142


 150.7241,


151.6380, 75.0037


 186.6831,
188.3986, 99.1810


 16.9330, 16.2251,
2.3829


 16.9330, 16.2251,
2.3829


 16.7589, 15.9209,
2.1897

 17.4720, 17.1506,
3.0331

 18.1061, 18.1485,
4.0778

 18.8520, 19.2266,
5.6019

 19.7202, 20.3896,
7.6587

 20.7196, 21.6416,
10.2942

■ 21.8582, 22.9861,
13.5495

■ 23.1436, 24.4267,
17.4619

■ 24.5823, 25.9663,
22.0659

■ 26.1808, 27.6081,
27.3932

Harmonies

Analogous

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



21.9486, 16.2251, 4.1634



16.9330, 16.2251, 2.3829



12.4038, 16.2251, 2.7593

Triad

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



16.9330, 16.2251, 2.3829



8.3611, 16.2251, 28.6615



23.6336, 16.2251, 39.9088

Complementary

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



16.9330, 16.2251, 2.3829



6.2280, 4.0617, 27.6495

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.



18.8927, 16.2251, 55.1455



16.9330, 16.2251, 2.3829



10.3366, 16.2251, 46.6626

Square

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



16.9330, 16.2251, 2.3829



8.0489, 16.2251, 13.7949



14.0027, 16.2251, 58.1054



26.3075, 16.2251, 22.2018

Rectangle

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



16.9330, 16.2251, 2.3829



10.1928, 16.2251, 4.3387



14.0027, 16.2251, 58.1054



22.1880, 16.2251, 45.8022

Sweetspot

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



16.9334, 16.2259, 2.3832



40.1165, 42.3073, 28.5976



12.4275, 6.4273, 3.3072



8.7319, 9.1961, 5.7761



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.



16.9334, 16.2259, 2.3832



29.4140, 27.7847, 3.8127



17.7504, 24.4061, 3.9191



6.1245, 6.4627, 6.1651



14.7678, 14.0500, 1.9336



0.2062, 0.2229, 0.0321

Inverse Universe

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



6.2280, 4.0617, 27.6495



10.5126, 6.3808, 48.6511



5.8764, 2.5107, 27.3687



5.6287, 5.8914, 7.3102



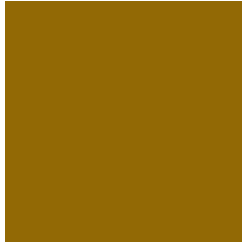
5.3258, 3.3464, 24.2963



0.0881, 0.0867, 0.3050

Previews

White Background



This preview shows how the XYZ color 16.9330, 16.2251, 2.3829 looks on a white background.

Color Contrast Check

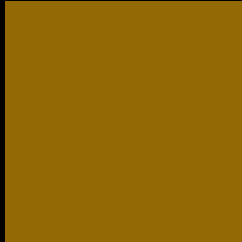
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.9330, 16.2251, 2.3829 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 16.9330, 16.2251, 2.3829

Background



This preview shows how black text looks on a background with the XYZ color 16.9330, 16.2251, 2.3829.



This preview shows how white text looks on a background with the XYZ color 16.9330, 16.2251,

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

16.9330, 16.2251, 2.3829

Protanopia

14.7123, 16.3442, 2.6665

Deuteranopia

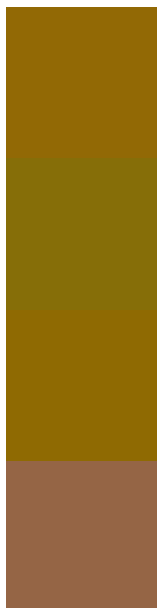
16.4130, 16.2662, 2.2746



Tritanopia

19.6800, 16.3346, 15.4802

Trichromacy



Original Color

16.9330, 16.2251, 2.3829

Protanomaly

15.4513, 16.2377, 2.5496

Deuteranomaly

16.4927, 16.1521, 2.3058

Tritanomaly

18.1223, 16.1266, 7.7878

Monochromacy



Original Color

16.9330, 16.2251, 2.3829

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

14.1134, 14.8027, 7.7436

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.9330, 16.2251, 2.3829 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, 105, 5)` looks like.

```
.text, #text, p{  
    color:rgb(146, 105, 5)  
}
```

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, 105, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 105, 5) }
```

Border

The CSS property to change the border of an element to XYZ 16.9330, 16.2251, 2.3829 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, 105, 5) }
```


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

```
.border{ border-color:rgb(146, 105, 5) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 105, 5)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 105, 5); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 105, 5);  
box-shadow:4px 4px 4px 4px rgb(146, 105,  
5) }
```

Background

The CSS property to change the background color of an element to XYZ 16.9330, 16.2251, 2.3829 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 105, 5) }
```

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

```
.background{ background-color: rgb(146,  
105, 5) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor