

Converting Colors

XYZ(15.7730, 14.9310, 0.6635)

Have a look what the booklet for
XYZ(15.7730, 14.9310, 0.6635)
contains.

XYZ(16.0588, 15.0436, 2.0573)	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>	30

Color

**XYZ(16.0588, 15.0436,
2.0573)**

Conversions

Conversions Part 1

Format	Color
Hex	906400
RGB	144, 100, 0
RGB Percent	56%, 39%, 0%
CMY	0.4353, 0.6078, 1.0000
CMYK	0.00, 0.31, 1.00, 0.44
HSL	42°, 100%, 28%
HSV	42°, 100%, 56%
XYZ	16.0588, 15.0436, 2.0573
YIQ	101.7560, 58.3240, -21.7720

Conversions

Conversions Part 2

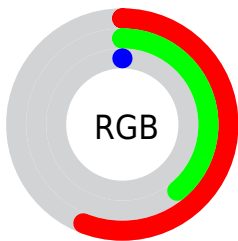
Format	Color
R_{YB}	63, 144, 0
Decimal	9462784
CIE _{Lab}	45.69, 10.49, 53.10
CIE _{LCh}	46, 54.126, 78.822
Yxy	15.0436, 0.4843, 0.4537
Android (android.graphics.Color)	4287652864 (0xFF906400)
YUV	101.7560, -50.1657, 37.0480
Hunter-Lab	38.7861, 6.0296, 24.0054

Details

The XYZ color **16.0588, 15.0436, 2.0573** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **5.9348, 3.8151, 26.8091**, and the grayscale version is **12.6822, 13.3426, 14.5301**.

A 20% lighter version of the original color is **36.2660, 35.0267, 9.2643**, and **5.3437, 4.7130, 0.6281** is the 20% darker color. If you saturate the color by 10%, you get **16.0590, 15.0441, 2.0574**, and if you desaturate by 10%, it is **16.5746, 15.9442, 2.6340**.

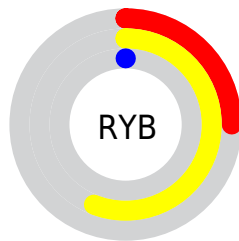
Distribution



Red (56%)

Green (39%)

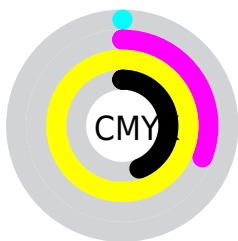
Blue (0%)



Red (25%)

Yellow (56%)

Blue (0%)

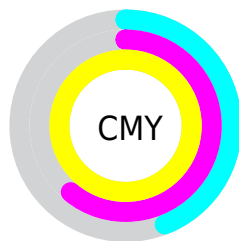


Cyan (0%)

Magenta (31%)

Yellow (100%)

Black (44%)



Cyan (44%)

Magenta (61%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.0588, 15.0436, 2.0573 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 16.0588, 15.0436, 2.0573 by changing the saturation by 10% instead.

■ 16.0588, 15.0436,
2.0573

■ 16.0588, 15.0436,
2.0573

222.9520,
223.6300, 123.2603

■ 9.6569, 8.8500,
0.5902

■ 36.2569, 34.9296,
9.1969

■ 5.2326, 4.6435,
0.0000

■ 50.7837, 49.3909,
15.7527

■ 2.4205, 2.0396,
0.0000

■ 68.7496, 67.3768,
24.8573

■ 0.8553, 0.6303,
0.0000


■ 90.5199, 89.2717,
36.9291


■ 0.0000, 0.0000,
0.0000


■ 116.4599,
115.4601, 52.3868


■ 146.9351,


146.3264, 71.6489


 182.3106,
182.2548, 95.1339


 16.0588, 15.0436,
2.0573


 16.0588, 15.0436,
2.0573


 16.0590, 15.0441,
2.0574

 16.5746, 15.9442,
2.6340

 17.1686, 16.9124,
3.5093

 17.8692, 17.9608,
4.8302

 18.6870, 19.0943,
6.6511

 19.6313, 20.3169,
9.0186

■ 20.7100, 21.6325,
11.9738

■ 21.9307, 23.0445,
15.5540

■ 23.3000, 24.5561,
19.7932

■ 24.8243, 26.1703,
24.7232

Harmonies

Analogous

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



20.8519, 15.0436, 3.8474



16.0588, 15.0436, 2.0573



11.6626, 15.0436, 2.2813

Triad

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



16.0588, 15.0436, 2.0573



7.5242, 15.0436, 25.8440



21.9282, 15.0436, 38.9752

Complementary

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



16.0588, 15.0436, 2.0573



5.9348, 3.8151, 26.8091

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.



17.3044, 15.0436, 53.2778



16.0588, 15.0436, 2.0573



9.2859, 15.0436, 43.3288

Square

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



16.0588, 15.0436, 2.0573



7.3296, 15.0436, 11.9948



12.6718, 15.0436, 55.1941



24.6881, 15.0436, 21.7215

Rectangle

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



16.0588, 15.0436, 2.0573



9.4937, 15.0436, 3.6012



12.6718, 15.0436, 55.1941



20.5001, 15.0436, 44.6056

Sweetspot

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



16.0591, 15.0444, 2.0576



38.5401, 40.4862, 27.0099



11.9870, 6.1235, 3.0941



8.6460, 9.0649, 5.6224



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.



16.0591, 15.0444, 2.0576



28.1726, 26.2307, 3.5782



17.3904, 23.7701, 3.6717



5.7024, 6.0111, 5.7491



14.0058, 13.1433, 1.7987



0.1534, 0.1647, 0.0237

Inverse Universe

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



5.9348, 3.8151, 26.8091



10.3359, 6.4656, 47.2412



5.4705, 2.2387, 26.5293



5.2556, 5.5070, 6.8147



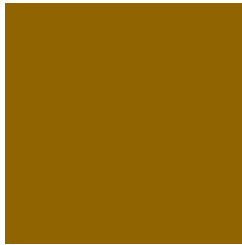
5.1869, 3.3598, 23.3522



0.0673, 0.0675, 0.2292

Previews

White Background



This preview shows how the XYZ color 16.0588, 15.0436, 2.0573 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 16.0588, 15.0436, 2.0573 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 16.0588, 15.0436, 2.0573

Background



This preview shows how black text looks on a background with the XYZ color 16.0588, 15.0436, 2.0573.



This preview shows how white text looks on a background with the XYZ color 16.0588, 15.0436,

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

16.0588, 15.0436, 2.0573

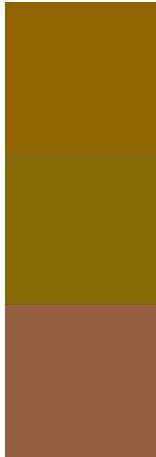
Protanopia

13.6863, 15.1680, 2.4648

Tritanopia

18.4273, 15.0447, 13.9893

Trichromacy



Original Color

16.0588, 15.0436, 2.0573

Protanomaly

14.5470, 15.1465, 2.3292

Tritanomaly

17.1409, 14.9390, 6.8306

Monochromacy



Original Color

16.0588, 15.0436, 2.0573

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

12.9439, 13.4709, 6.9190

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.0588, 15.0436, 2.0573 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(144, 100, 0)` looks like.

```
.text, #text, p{  
    color:rgb(144, 100, 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(144, 100, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 100, 0) }
```

Border

The CSS property to change the border of an element to XYZ 16.0588, 15.0436, 2.0573 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(144, 100, 0) }
```

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

```
.border{ border-color:rgb(144, 100, 0) }
```

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

Here you see how a box with a 4 pixel rgb(144, 100, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 100, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 100, 0);  
box-shadow:4px 4px 4px 4px rgb(144, 100,  
0) }
```


Background

The CSS property to change the background color of an element to XYZ 16.0588, 15.0436, 2.0573 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 100, 0) }
```

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

```
.background{ background-color: rgb(144,  
100, 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](#).

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