

Converting Colors

XYZ(16.6408, 15.6958, 2.3618)

Have a look what the booklet for
XYZ(16.6408, 15.6958, 2.3618)
contains.

XYZ(16.6438, 15.6291, 2.3405)	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(16.6438, 15.6291,
2.3405)**

Conversions

Conversions Part 1

Format	Color
Hex	926607
RGB	146, 102, 7
RGB Percent	57%, 40%, 3%
CMY	0.4275, 0.6000, 0.9725
CMYK	0.00, 0.30, 0.95, 0.43
HSL	41°, 91%, 30%
HSV	41°, 95%, 57%
XYZ	16.6438, 15.6291, 2.3405
YIQ	104.3260, 56.7190, -20.2170

Conversions

Conversions Part 2

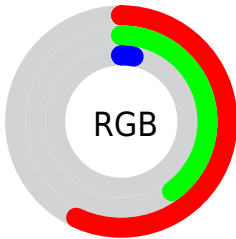
Format	Color
RYB	71, 146, 7
Decimal	9594375
CIELab	46.48, 10.40, 52.12
CIELCh	46, 53.150, 78.712
Yxy	15.6291, 0.4808, 0.4515
Android (android.graphics.Color)	4287784455 (0xFF926607)
YUV	104.3260, -47.9817, 36.5481
Hunter-Lab	39.5337, 5.9652, 24.1634

Details

The XYZ color **16.6438, 15.6291, 2.3405** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **6.4598, 4.4882, 27.7198**, and the grayscale version is **13.3603, 14.0561, 15.3071**.

A 20% lighter version of the original color is **37.2472, 36.0015, 9.9869**, and **5.5826, 4.9060, 0.6527** is the 20% darker color. If you saturate the color by 10%, you get **16.3907, 15.1845, 2.0670**, and if you desaturate by 10%, it is **17.2138, 16.6048, 3.0370**.

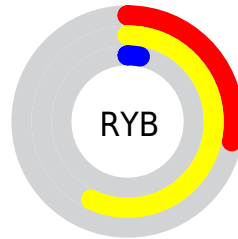
Distribution



Red (57%)

Green (40%)

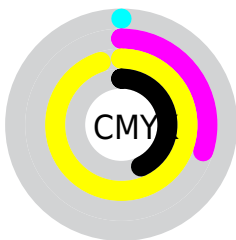
Blue (3%)



Red (28%)

Yellow (57%)

Blue (3%)

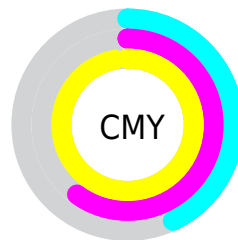


Cyan (0%)

Magenta (30%)

Yellow (95%)

Black (43%)



Cyan (43%)

Magenta (60%)

Yellow (97%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.6438, 15.6291, 2.3405 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 16.6438, 15.6291, 2.3405 by changing the saturation by 10% instead.

■ 16.6438, 15.6291,
2.3405

■ 16.6438, 15.6291,
2.3405

226.3077,
227.1431, 127.4582

■ 10.0746, 9.2621,
0.7538

■ 37.2608, 35.9531,
9.9524

■ 5.5111, 4.9125,
0.0000

■ 52.0393, 50.6789,
16.8296

■ 2.5879, 2.1960,
0.0000

■ 70.2850, 68.9597,
26.3123

■ 0.9398, 0.7178,
0.0000


■ 92.3631, 91.1799,
38.8192


■ 0.0000, 0.0000,
0.0000


■ 118.6391,
117.7240, 54.7686


■ 149.4783,


148.9762, 74.5793


 185.2461,
185.3211, 98.6696


 16.6438, 15.6291,
2.3405


 16.6438, 15.6291,
2.3405


 16.3907, 15.1845,
2.0670

 17.2138, 16.6048,
3.0370

 17.8870, 17.6624,
4.1520

 18.6774, 18.8086,
5.7555

 19.5954, 20.0483,
7.8997

 20.6498, 21.3855,
10.6299

■ 21.8486, 22.8240,
13.9865

■ 23.1993, 24.3675,
18.0066

■ 24.7086, 26.0191,
22.7241

■ 26.3829, 27.7819,
28.1707

Harmonies

Analogous

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



21.4465, 15.6291, 4.2408



16.6438, 15.6291, 2.3405



12.2084, 15.6291, 2.5727

Triad

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



16.6438, 15.6291, 2.3405



7.9852, 15.6291, 26.4442



22.4916, 15.6291, 39.6344

Complementary

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



16.6438, 15.6291, 2.3405



6.4598, 4.4882, 27.7198

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.



17.8588, 15.6291, 53.7569



16.6438, 15.6291, 2.3405



9.7748, 15.6291, 43.8260

Square

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



16.6438, 15.6291, 2.3405



7.7919, 15.6291, 12.5481



13.1992, 15.6291, 55.5948



25.2562, 15.6291, 22.4390

Rectangle

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



16.6438, 15.6291, 2.3405



10.0057, 15.6291, 3.9590



13.1992, 15.6291, 55.5948



21.0620, 15.6291, 45.2078

Sweetspot

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



16.6441, 15.6299, 2.3408



39.8480, 41.7702, 28.5081



12.5280, 6.5022, 3.7291



8.6656, 9.0634, 5.7540



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.



16.6441, 15.6299, 2.3408



28.7584, 26.4735, 3.5942



18.1349, 24.6031, 3.9942



6.1122, 6.4382, 6.1610



14.4445, 13.4035, 1.8258



0.2033, 0.2172, 0.0312

Inverse Universe

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



6.4598, 4.4882, 27.7198



10.7544, 6.8644, 48.7317



5.8752, 2.5423, 27.3750



5.6404, 5.9148, 7.3141



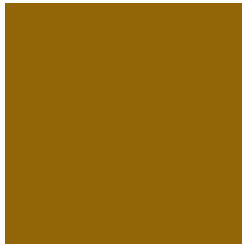
5.4511, 3.5969, 24.3380



0.0909, 0.0924, 0.3060

Previews

White Background



This preview shows how the XYZ color 16.6438, 15.6291, 2.3405 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 16.6438, 15.6291, 2.3405 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 16.6438, 15.6291, 2.3405

Background



This preview shows how black text looks on a background with the XYZ color 16.6438, 15.6291, 2.3405.



This preview shows how white text looks on a background with the XYZ color 16.6438, 15.6291,

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

16.6438, 15.6291, 2.3405

Protanopia

14.2023, 15.7530, 2.6087

Tritanopia

19.0682, 15.6278, 14.5818

Trichromacy



Original Color

16.6438, 15.6291, 2.3405

Protanomaly

15.0902, 15.7336, 2.5287

Tritanomaly

17.7752, 15.5302, 7.3710

Monochromacy



Original Color

16.6438, 15.6291, 2.3405

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

13.5322, 14.0521, 7.6293

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.6438, 15.6291, 2.3405 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, 7)` looks like.

```
.text, #text, p{  
    color:rgb(146, 102, 7)  
}
```

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, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 102, 7) }
```

Border

The CSS property to change the border of an element to XYZ 16.6438, 15.6291, 2.3405 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, 7) }
```

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

```
.border{ border-color:rgb(146, 102, 7) }
```

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, 7) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 102, 7); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 102, 7);  
box-shadow:4px 4px 4px 4px rgb(146, 102,  
7) }
```


Background

The CSS property to change the background color of an element to XYZ 16.6438, 15.6291, 2.3405 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, 7) }
```

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

```
.background{ background-color: rgb(146,  
102, 7) }
```

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