

Converting Colors

XYZ(13.2807, 16.0356, 1.0685)

Have a look what the booklet for
XYZ(13.2807, 16.0356, 1.0685)
contains.

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Color

**XYZ(13.4669, 16.0434,
2.3869)**

Conversions

Conversions Part 1

Format	Color
Hex	757300
RGB	117, 115, 0
RGB Percent	46%, 45%, 0%
CMY	0.5412, 0.5490, 1.0000
CMYK	0.00, 0.02, 1.00, 0.54
HSL	59°, 100%, 23%
HSV	59°, 100%, 46%
XYZ	13.4669, 16.0434, 2.3869
YIQ	102.4880, 38.1070, -35.3410

Conversions

Conversions Part 2

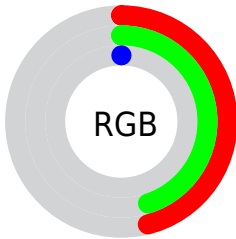
Format	Color
R_{YB}	2, 117, 0
Decimal	7697152
CIE Lab	47.03, -11.02, 52.70
CIE LCh	47, 53.841, 101.815
Yxy	16.0434, 0.4222, 0.5030
Android (android.graphics.Color)	4285887232 (0xFF757300)
YUV	102.4880, -50.5266, 12.7270
Hunter-Lab	40.0542, -10.0802, 24.5048

Details

The XYZ color **13.4669, 16.0434, 2.3869** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **3.2327, 1.3279, 16.9155**, and the grayscale version is **12.8794, 13.5502, 14.7561**.

A 20% lighter version of the original color is **31.7292, 36.7670, 10.1271**, and **4.1871, 5.1381, 0.7711** is the 20% darker color. If you saturate the color by 10%, you get **13.4672, 16.0441, 2.3870**, and if you desaturate by 10%, it is **13.5546, 16.1156, 2.7347**.

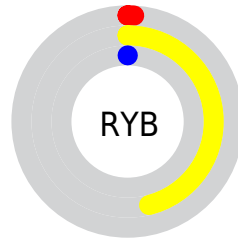
Distribution



Red (46%)

Green (45%)

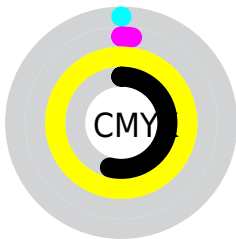
Blue (0%)



Red (1%)

Yellow (46%)

Blue (0%)

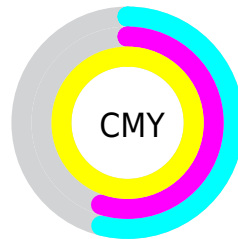


Cyan (0%)

Magenta (2%)

Yellow (100%)

Black (54%)



Cyan (54%)

Magenta (55%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.4669, 16.0434, 2.3869 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 13.4669, 16.0434, 2.3869 by changing the saturation by 10% instead.

■ 13.4669, 16.0434,
2.3869

■ 13.4669, 16.0434,
2.3869

207.4664,
229.5977, 128.1217

■ 7.8300, 9.5549,
0.7793

■ 31.7343, 36.6735,
10.0739

■ 4.0373, 5.1048,
0.0000

■ 45.0956, 51.5839,
17.0019

■ 1.7232, 2.3089,
0.0000

■ 61.7623, 70.0704,
26.5443

■ 0.4708, 0.7784,
0.0000


■ 82.1000, 92.5173,
39.1197


■ 0.0000, 0.0000,
0.0000


■ 106.4739,
119.3091, 55.1466


■ 135.2493,


150.8302, 75.0435


 168.7917,
187.4649, 99.2290


 13.4669, 16.0434,
2.3869


 13.4669, 16.0434,
2.3869


 13.4672, 16.0441,
2.3870

 13.5546, 16.1156,
2.7347

 13.6716, 16.1989,
3.2383

 13.8407, 16.3032,
4.0158

 14.0679, 16.4308,
5.0989

 14.3584, 16.5837,
6.5151

■ 14.7168, 16.7640,
8.2887

■ 15.1473, 16.9731,
10.4418

■ 15.6537, 17.2127,
12.9947

■ 16.2398, 17.4842,
15.9663

Harmonies

Analogous

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



18.2567, 16.0434, 2.5905



13.4669, 16.0434, 2.3869



9.9679, 16.0434, 4.3836

Triad

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



13.4669, 16.0434, 2.3869



9.4409, 16.0434, 41.1265



25.5850, 16.0434, 26.8890

Complementary

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



13.4669, 16.0434, 2.3869



3.2327, 1.3279, 16.9155

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.



22.1269, 16.0434, 44.8440



13.4669, 16.0434, 2.3869



12.5908, 16.0434, 55.5671

Square

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



13.4669, 16.0434, 2.3869



7.9851, 16.0434, 23.3419



17.1813, 16.0434, 57.1981



25.9550, 16.0434, 12.6736

Rectangle

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



13.4669, 16.0434, 2.3869



8.5725, 16.0434, 7.8511



17.1813, 16.0434, 57.1981



24.7166, 16.0434, 32.8253

Sweetspot

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



13.4673, 16.0442, 2.3872



27.0594, 30.3628, 18.3719



7.3576, 3.7906, 0.4561



6.1604, 6.9515, 3.9184



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



13.4673, 16.0442, 2.3872



24.1054, 28.7094, 4.2710



8.3733, 13.7598, 2.2148



3.9616, 4.2561, 3.9550



14.8368, 17.6748, 2.6296



72.2335, 85.9954, 12.7917

Inverse Universe

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



3.2327, 1.3279, 16.9155



5.7781, 2.3566, 30.2873



4.7649, 2.0856, 16.9810



3.5052, 3.5990, 4.6002



3.5604, 1.4604, 18.6368



17.2859, 6.9884, 90.7981

Previews

White Background



This preview shows how the XYZ color 13.4669, 16.0434, 2.3869 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 13.4669, 16.0434, 2.3869 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

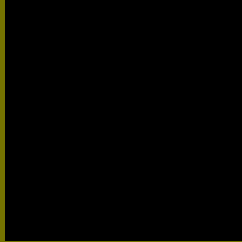
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.4669, 16.0434, 2.3869

Background



This preview shows how black text looks on a background with the XYZ color 13.4669, 16.0434, 2.3869.



This preview shows how white text looks on a background with the XYZ color 13.4669, 16.0434,

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

13.4669, 16.0434, 2.3869

Protanopia

14.3984, 16.0240, 2.3341

Deuteranopia

16.2397, 16.0113, 2.7649



Tritanopia

16.6644, 16.0383, 18.4370

Trichromacy



Original Color

13.4669, 16.0434, 2.3869

Protanomaly

14.0735, 16.0212, 2.3506

Deuteranomaly

15.0448, 15.8670, 2.5863

Tritanomaly

14.6637, 15.6978, 8.5605

Monochromacy



Original Color

13.4669, 16.0434, 2.3869

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

12.2752, 14.0228, 7.0607

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.4669, 16.0434, 2.3869 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(117, 115, 0)` looks like.

```
.text, #text, p{  
    color:rgb(117, 115, 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(117, 115, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 115, 0) }
```

Border

The CSS property to change the border of an element to XYZ 13.4669, 16.0434, 2.3869 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(117, 115, 0) }
```


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

```
.border{ border-color:rgb(117, 115, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 115, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 115, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 115, 0);  
box-shadow:4px 4px 4px 4px rgb(117, 115,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 13.4669, 16.0434, 2.3869 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 115, 0) }
```

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

```
.background{ background-color: rgb(117,  
115, 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](#).

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