

Converting Colors

XYZ(13.7166, 16.3423, 2.4314)

Have a look what the booklet for
XYZ(13.7166, 16.3423, 2.4314)
contains.

XYZ(13.7166, 16.3423, 2.4314)	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(13.7166, 16.3423,
2.4314)**

Conversions

Conversions Part 1

Format	Color
Hex	767400
RGB	118, 116, 0
RGB Percent	46%, 45%, 0%
CMY	0.5373, 0.5451, 1.0000
CMYK	0.00, 0.02, 1.00, 0.54
HSL	59°, 100%, 23%
HSV	59°, 100%, 46%
XYZ	13.7166, 16.3423, 2.4314
YIQ	103.3740, 38.4280, -35.6520

Conversions

Conversions Part 2

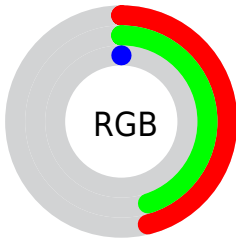
Format	Color
RYB	2, 118, 0
Decimal	7762944
CIELab	47.42, -11.10, 53.03
CIELCh	47, 54.175, 101.823
Yxy	16.3423, 0.4222, 0.5030
Android (android.graphics.Color)	4285953024 (0xFF767400)
YUV	103.3740, -50.9634, 12.8270
Hunter-Lab	40.4256, -10.1789, 24.7319

Details

The XYZ color **13.7166, 16.3423, 2.4314** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **3.2918, 1.3515, 17.2268**, and the grayscale version is **13.1158, 13.7989, 15.0270**.

A 20% lighter version of the original color is **32.1334, 37.2484, 10.1987**, and **4.3139, 5.2925, 0.7942** is the 20% darker color. If you saturate the color by 10%, you get **13.7169, 16.3430, 2.4316**, and if you desaturate by 10%, it is **13.8052, 16.4152, 2.7825**.

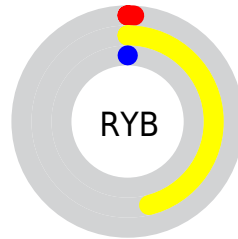
Distribution



Red (46%)

Green (45%)

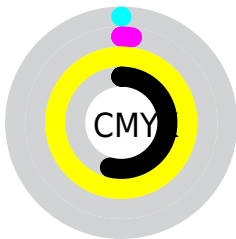
Blue (0%)



Red (1%)

Yellow (46%)

Blue (0%)

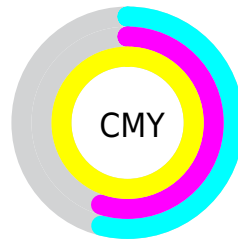


Cyan (0%)

Magenta (2%)

Yellow (100%)

Black (54%)



Cyan (54%)

Magenta (55%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.7166, 16.3423, 2.4314 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 13.7166, 16.3423, 2.4314 by changing the saturation by 10% instead.

■ 13.7166, 16.3423,
2.4314

■ 13.7166, 16.3423,
2.4314

209.0067,
231.3532, 128.7520

■ 8.0042, 9.7667,
0.8035

■ 32.1758, 37.1914,
10.1898

■ 4.1495, 5.2445,
0.0000

■ 45.6533, 52.2338,
17.1661

■ 1.7870, 2.3915,
0.0000

■ 62.4499, 70.8671,
26.7653

■ 0.5098, 0.8215,
0.0000


■ 82.9310, 93.4759,
39.4058


■ 0.0000, 0.0000,
0.0000


■ 107.4618,
120.4445, 55.5062


■ 136.4078,


152.1573, 75.4850


 170.1343,
188.9987, 99.7607


 13.7166, 16.3423,
2.4314


 13.7166, 16.3423,
2.4314


 13.7169, 16.3430,
2.4316

 13.8052, 16.4152,
2.7825

 13.9239, 16.4996,
3.2937

 14.0956, 16.6054,
4.0841

 14.3267, 16.7349,
5.1862

 14.6222, 16.8903,
6.6279

■ 14.9870, 17.0735,
8.4342

■ 15.4254, 17.2862,
10.6276

■ 15.9413, 17.5300,
13.2288

■ 16.5383, 17.8063,
16.2571

Harmonies

Analogous

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



18.5956, 16.3423, 2.6383



13.7166, 16.3423, 2.4314



10.1528, 16.3423, 4.4660

Triad

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



13.7166, 16.3423, 2.4314



9.6173, 16.3423, 41.8983



26.0626, 16.3423, 27.3856

Complementary

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



13.7166, 16.3423, 2.4314



3.2918, 1.3515, 17.2268

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.



22.5405, 16.3423, 45.6758



13.7166, 16.3423, 2.4314



12.8264, 16.3423, 56.6062

Square

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



13.7166, 16.3423, 2.4314



8.1339, 16.3423, 23.7813



17.5028, 16.3423, 58.2635



26.4385, 16.3423, 12.9067

Rectangle

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



13.7166, 16.3423, 2.4314



8.7317, 16.3423, 7.9991



17.5028, 16.3423, 58.2635



25.1782, 16.3423, 33.4324

Sweetspot

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



13.7170, 16.3431, 2.4317



27.0605, 30.3650, 18.3723



7.4928, 3.8603, 0.4633



6.1607, 6.9520, 3.9185



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.



13.7170, 16.3431, 2.4317



24.1089, 28.7165, 4.2722



8.5242, 14.0115, 2.2554



3.9616, 4.2562, 3.9550



14.8389, 17.6790, 2.6303



72.2445, 86.0174, 12.7953

Inverse Universe

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



3.2918, 1.3515, 17.2268



5.7779, 2.3561, 30.2872



4.8494, 2.1223, 17.2935



3.5051, 3.5989, 4.6002



3.5602, 1.4600, 18.6367



17.2855, 6.9876, 90.7980

Previews

White Background



This preview shows how the XYZ color 13.7166, 16.3423, 2.4314 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 13.7166, 16.3423, 2.4314 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

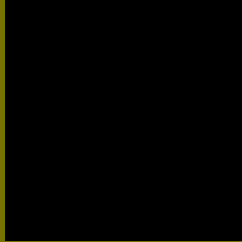
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.7166, 16.3423, 2.4314

Background



This preview shows how black text looks on a background with the XYZ color 13.7166, 16.3423, 2.4314.



This preview shows how white text looks on a background with the XYZ color 13.7166, 16.3423,

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

13.7166, 16.3423, 2.4314

Protanopia

14.6575, 16.3223, 2.3780

Deuteranopia

16.5142, 16.3066, 2.8074



Tritanopia

17.1191, 16.4217, 18.7904

Trichromacy



Original Color

13.7166, 16.3423, 2.4314

Protanomaly

14.3295, 16.3197, 2.3948

Deuteranomaly

15.3092, 16.1626, 2.6294

Tritanomaly

15.0888, 16.0742, 8.7859

Monochromacy



Original Color

13.7166, 16.3423, 2.4314

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

12.5303, 14.3066, 7.2553

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.7166, 16.3423, 2.4314 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(118, 116, 0)` looks like.

```
.text, #text, p{  
    color:rgb(118, 116, 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(118, 116, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 116, 0) }
```

Border

The CSS property to change the border of an element to XYZ 13.7166, 16.3423, 2.4314 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(118, 116, 0) }
```


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

```
.border{ border-color:rgb(118, 116, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 116, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 116, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 116, 0);  
box-shadow:4px 4px 4px 4px rgb(118, 116,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 13.7166, 16.3423, 2.4314 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 116, 0) }
```

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

```
.background{ background-color: rgb(118,  
116, 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