

Converting Colors

XYZ(13.4315, 16.3674, 2.4513)

Have a look what the booklet for
XYZ(13.4315, 16.3674, 2.4513)
contains.

XYZ(13.4315, 16.3674, 2.4513)	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(13.4315, 16.3674,
2.4513)**

Conversions

Conversions Part 1

Format	Color
Hex	737500
RGB	115, 117, 0
RGB Percent	45%, 46%, 0%
CMY	0.5490, 0.5412, 1.0000
CMYK	0.02, 0.00, 1.00, 0.54
HSL	61°, 100%, 23%
HSV	61°, 100%, 46%
XYZ	13.4315, 16.3674, 2.4513
YIQ	103.0640, 36.3650, -36.8110

Conversions

Conversions Part 2

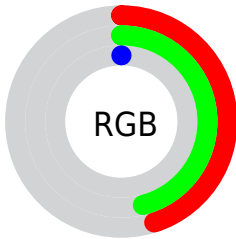
Format	Color
RYB	0, 117, 2
Decimal	7566592
CIELab	47.45, -13.07, 52.93
CIELCh	47, 54.518, 103.870
Yxy	16.3674, 0.4165, 0.5075
Android (android.graphics.Color)	4285756672 (0xFF737500)
YUV	103.0640, -50.8106, 10.4679
Hunter-Lab	40.4566, -11.5376, 24.7272

Details

The XYZ color **13.4315, 16.3674, 2.4513** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **3.2363, 1.2976, 16.9105**, and the grayscale version is **13.0332, 13.7119, 14.9323**.

A 20% lighter version of the original color is **31.6627, 37.2809, 10.2297**, and **4.1780, 5.3130, 0.8053** is the 20% darker color. If you saturate the color by 10%, you get **13.4318, 16.3681, 2.4514**, and if you desaturate by 10%, it is **13.5228, 16.4076, 2.7928**.

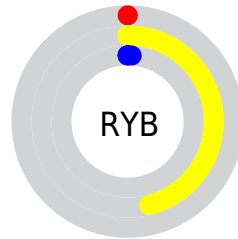
Distribution



Red (45%)

Green (46%)

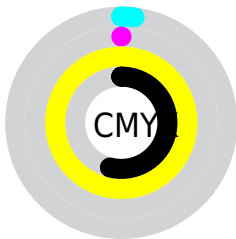
Blue (0%)



Red (0%)

Yellow (46%)

Blue (1%)

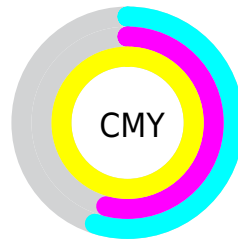


Cyan (2%)

Magenta (0%)

Yellow (100%)

Black (54%)



Cyan (55%)

Magenta (54%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.4315, 16.3674, 2.4513 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 13.4315, 16.3674, 2.4513 by changing the saturation by 10% instead.

■ 13.4315, 16.3674,
2.4513

■ 13.4315, 16.3674,
2.4513

207.2471,
231.5000, 129.0321

■ 7.8054, 9.7845,
0.8142

■ 31.6716, 37.2349,
10.2415

■ 4.0214, 5.2563,
0.0000

■ 45.0163, 52.2882,
17.2393

■ 1.7143, 2.3984,
0.0000

■ 61.6646, 70.9339,
26.8636

■ 0.4652, 0.8251,
0.0000

■ 81.9818, 93.5562,
39.5330


■ 0.0000, 0.0000,
0.0000


■ 106.3333,
120.5395, 55.6660


■ 135.0844,


152.2684, 75.6812


 168.6006,
189.1271, 99.9970


 13.4315, 16.3674,
2.4513


 13.4315, 16.3674,
2.4513


 13.4318, 16.3681,
2.4514

 13.5228, 16.4076,
2.7928

 13.6434, 16.4589,
3.2900

 13.8161, 16.5310,
4.0611

 14.0469, 16.6264,
5.1380

 14.3411, 16.7471,
6.5478

■ 14.7031, 16.8950,
8.3151

■ 15.1373, 17.0718,
10.4619

■ 15.6474, 17.2789,
13.0085

■ 16.2371, 17.5179,
15.9738

Harmonies

Analogous

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



18.2870, 16.3674, 2.5245



13.4315, 16.3674, 2.4513



9.9592, 16.3674, 4.6881

Triad

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



13.4315, 16.3674, 2.4513



9.7678, 16.3674, 43.3961



26.3138, 16.3674, 26.2951

Complementary

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



13.4315, 16.3674, 2.4513



3.2363, 1.2976, 16.9105

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.



22.9355, 16.3674, 44.7548



13.4315, 16.3674, 2.4513



13.1127, 16.3674, 57.6223

Square

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



13.4315, 16.3674, 2.4513



8.1602, 16.3674, 25.0015



17.8951, 16.3674, 58.2190



26.4488, 16.3674, 12.1671

Rectangle

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



13.4315, 16.3674, 2.4513



8.6102, 16.3674, 8.4744



17.8951, 16.3674, 58.2190



25.4926, 16.3674, 32.3185

Sweetspot

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



13.4319, 16.3682, 2.4516



27.0393, 30.5422, 18.4076



7.3578, 3.8246, 0.3506



6.1553, 6.9971, 3.9275



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.



13.4319, 16.3682, 2.4516



24.0389, 29.3026, 4.3890



8.0238, 13.5802, 2.1985



3.9607, 4.2632, 3.9564



14.7967, 18.0323, 2.7007



72.0274, 87.8332, 13.1573

Inverse Universe

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



3.2363, 1.2976, 16.9105



5.7826, 2.3168, 30.2794



5.1022, 2.2595, 16.9978



3.5059, 3.5926, 4.5989



3.5639, 1.4286, 18.6305



17.2932, 6.9235, 90.7852

Previews

White Background



This preview shows how the XYZ color 13.4315, 16.3674, 2.4513 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 13.4315, 16.3674, 2.4513 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

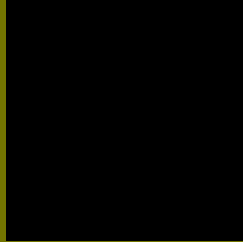
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.4315, 16.3674, 2.4513

Background



This preview shows how black text looks on a background with the XYZ color 13.4315, 16.3674, 2.4513.



This preview shows how white text looks on a background with the XYZ color 13.4315, 16.3674,

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

13.4315, 16.3674, 2.4513

Protanopia

14.6575, 16.3223, 2.3780

Deuteranopia

16.5222, 16.3098, 2.8496



Tritanopia

16.8479, 16.4326, 19.1134

Trichromacy



Original Color

13.4315, 16.3674, 2.4513

Protanomaly

14.1857, 16.2456, 2.3880

Deuteranomaly

15.2606, 16.2986, 2.6582

Tritanomaly

14.7759, 16.0758, 8.8027

Monochromacy



Original Color

13.4315, 16.3674, 2.4513

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

12.4093, 14.2443, 7.2496

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.4315, 16.3674, 2.4513 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(115, 117, 0)` looks like.

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

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

Border

The CSS property to change the border of an element to XYZ 13.4315, 16.3674, 2.4513 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(115, 117, 0) }
```


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

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

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

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

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

Background

The CSS property to change the background color of an element to XYZ 13.4315, 16.3674, 2.4513 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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