

Converting Colors

XYZ(13.3707, 16.7236, 2.3704)

Have a look what the booklet for
XYZ(13.3707, 16.7236, 2.3704)
contains.

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Color

**XYZ(13.4069, 16.7044,
2.5176)**

Conversions

Conversions Part 1

Format	Color
Hex	717700
RGB	113, 119, 0
RGB Percent	44%, 47%, 0%
CMY	0.5569, 0.5333, 1.0000
CMYK	0.05, 0.00, 1.00, 0.53
HSL	63°, 100%, 23%
HSV	63°, 100%, 47%
XYZ	13.4069, 16.7044, 2.5176
YIQ	103.6400, 34.6230, -38.2810

Conversions

Conversions Part 2

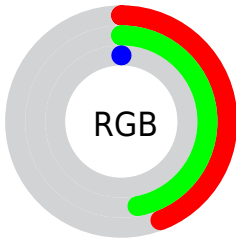
Format	Color
RYB	0, 119, 6
Decimal	7436032
CIELab	47.89, -15.09, 53.17
CIELCh	48, 55.270, 105.847
Yxy	16.7044, 0.4109, 0.5120
Android (android.graphics.Color)	4285626112 (0xFF717700)
YUV	103.6400, -51.0945, 8.2087
Hunter-Lab	40.8710, -12.9710, 24.9575

Details

The XYZ color **13.4069, 16.7044, 2.5176** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **3.4053, 1.3709, 17.5390**, and the grayscale version is **13.1881, 13.8749, 15.1097**.

A 20% lighter version of the original color is **31.6368, 37.8208, 10.4832**, and **4.1777, 5.4986, 0.8411** is the 20% darker color. If you saturate the color by 10%, you get **13.4072, 16.7051, 2.5178**, and if you desaturate by 10%, it is **13.5505, 16.7714, 2.8678**.

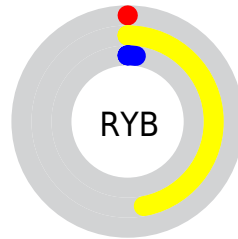
Distribution



Red (44%)

Green (47%)

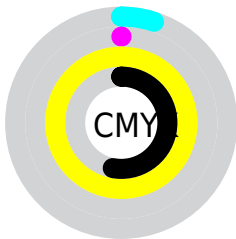
Blue (0%)



Red (0%)

Yellow (47%)

Blue (2%)

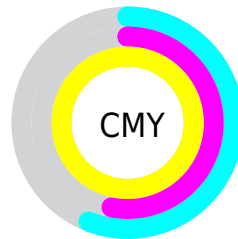


Cyan (5%)

Magenta (0%)

Yellow (100%)

Black (53%)



Cyan (56%)

Magenta (53%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.4069, 16.7044, 2.5176 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 13.4069, 16.7044, 2.5176 by changing the saturation by 10% instead.

■ 13.4069, 16.7044,
2.5176

■ 13.4069, 16.7044,
2.5176

207.0945,
233.4631, 129.9572

■ 7.7883, 10.0240,
0.8495

■ 31.6280, 37.8168,
10.4129

■ 4.0104, 5.4148,
0.0000

■ 44.9612, 53.0176,
17.4816

■ 1.7080, 2.4927,
0.0000

■ 61.5966, 71.8273,
27.1891

■ 0.4613, 0.8730,
0.0000


■ 81.8996, 94.6303,
39.9540


■ 0.0000, 0.0000,
0.0000


■ 106.2356,
121.8110, 56.1946


■ 134.9698,


153.7537, 76.3297


 168.4677,
190.8430, 100.7777


 13.4069, 16.7044,
2.5176


 13.4069, 16.7044,
2.5176


 13.4072, 16.7051,
2.5178

 13.5505, 16.7714,
2.8678

 13.7256, 16.8505,
3.3827

 13.9553, 16.9514,
4.1821

 14.2458, 17.0767,
5.2993

 14.6026, 17.2287,
6.7628

■ 15.0305, 17.4091,
8.5982

■ 15.5339, 17.6197,
10.8283

■ 16.1168, 17.8623,
13.4745

■ 16.7829, 18.1382,
16.5564

Harmonies

Analogous

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



18.3312, 16.7044, 2.4620



13.4069, 16.7044, 2.5176



9.9581, 16.7044, 5.0058

Triad

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



13.4069, 16.7044, 2.5176



10.1053, 16.7044, 45.7538



27.0682, 16.7044, 25.7379

Complementary

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



13.4069, 16.7044, 2.5176



3.4053, 1.3709, 17.5390

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.



23.7715, 16.7044, 44.7032



13.4069, 16.7044, 2.5176



13.6523, 16.7044, 59.7491

Square

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



13.4069, 16.7044, 2.5176



8.3417, 16.7044, 26.7361



18.6333, 16.7044, 59.2873



26.9639, 16.7044, 11.6893

Rectangle

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



13.4069, 16.7044, 2.5176



8.6538, 16.7044, 9.1279



18.6333, 16.7044, 59.2873



26.2954, 16.7044, 31.8489

Sweetspot

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



13.4073, 16.7052, 2.5179



27.7410, 31.5192, 19.0573



7.6729, 4.0515, 0.3778



6.4985, 7.4381, 4.1782



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



13.4073, 16.7052, 2.5179



23.9720, 29.8943, 4.5067



8.0948, 13.9665, 2.2693



3.9493, 4.2573, 3.9559



14.2411, 17.7459, 2.6747



69.1771, 86.3639, 13.0239

Inverse Universe

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



3.4053, 1.3709, 17.5390



6.0609, 2.4357, 31.4038



5.5402, 2.4715, 17.6389



3.5161, 3.5979, 4.5994



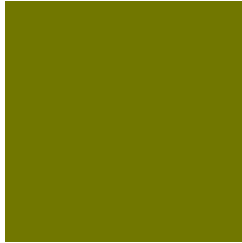
3.6150, 1.4549, 18.6329



17.3999, 6.9785, 90.7902

Previews

White Background



This preview shows how the XYZ color 13.4069, 16.7044, 2.5176 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 13.4069, 16.7044, 2.5176 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

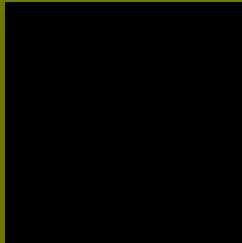
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.4069, 16.7044, 2.5176

Background



This preview shows how black text looks on a background with the XYZ color 13.4069, 16.7044, 2.5176.



This preview shows how white text looks on a background with the XYZ color 13.4069, 16.7044,

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

13.4069, 16.7044, 2.5176

Protanopia

14.9194, 16.6238, 2.4224

Deuteranopia

16.8078, 16.6118, 2.9366



Tritanopia

16.8994, 16.7657, 19.7982

Trichromacy



Original Color

13.4069, 16.7044, 2.5176

Protanomaly

14.4138, 16.7017, 2.4641

Deuteranomaly

15.3763, 16.5204, 2.7262

Tritanomaly

14.7930, 16.4080, 9.2249

Monochromacy



Original Color

13.4069, 16.7044, 2.5176

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

12.5154, 14.4564, 7.2850

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.4069, 16.7044, 2.5176 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(113, 119, 0)` looks like.

```
.text, #text, p{  
    color:rgb(113, 119, 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(113, 119, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 119, 0) }
```

Border

The CSS property to change the border of an element to XYZ 13.4069, 16.7044, 2.5176 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(113, 119, 0) }
```


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

```
.border{ border-color:rgb(113, 119, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 119, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 119, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 119, 0);  
box-shadow:4px 4px 4px 4px rgb(113, 119,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 13.4069, 16.7044, 2.5176 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 119, 0) }
```

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

```
.background{ background-color: rgb(113,  
119, 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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