

Converting Colors

XYZ(14.6916, 16.4767, 0.6340)

Have a look what the booklet for
XYZ(14.6916, 16.4767, 0.6340)
contains.

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Color

**XYZ(15.0706, 16.7018,
2.4295)**

Conversions

Conversions Part 1

Format	Color
Hex	817200
RGB	129, 114, 0
RGB Percent	51%, 45%, 0%
CMY	0.4941, 0.5529, 1.0000
CMYK	0.00, 0.12, 1.00, 0.49
HSL	53°, 100%, 25%
HSV	53°, 100%, 51%
XYZ	15.0706, 16.7018, 2.4295
YIQ	105.4890, 45.5340, -32.2740

Conversions

Conversions Part 2

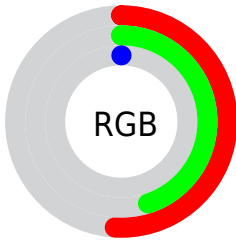
Format	Color
R_{YB}	17, 129, 0
Decimal	8483328
CIE _{Lab}	47.88, -4.73, 53.84
CIE _{LCh}	48, 54.044, 95.020
Yxy	16.7018, 0.4406, 0.4883
Android (android.graphics.Color)	4286673408 (0xFF817200)
YUV	105.4890, -52.0061, 20.6191
Hunter-Lab	40.8678, -5.6943, 25.0828

Details

The XYZ color **15.0706, 16.7018, 2.4295** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **4.1334, 1.9268, 20.9227**, and the grayscale version is **13.6893, 14.4022, 15.6840**.

A 20% lighter version of the original color is **34.3599, 37.5834, 10.1460**, and **4.9876, 5.5508, 0.8085** is the 20% darker color. If you saturate the color by 10%, you get **15.0708, 16.7024, 2.4296**, and if you desaturate by 10%, it is **15.3135, 17.0725, 2.8659**.

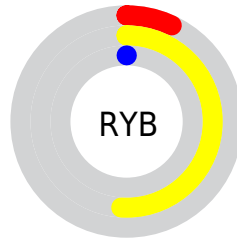
Distribution



Red (51%)

Green (45%)

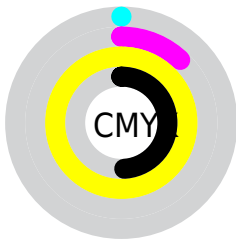
Blue (0%)



Red (7%)

Yellow (51%)

Blue (0%)

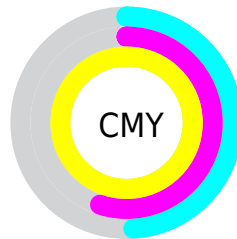


Cyan (0%)

Magenta (12%)

Yellow (100%)

Black (49%)



Cyan (49%)

Magenta (55%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.0706, 16.7018, 2.4295 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 15.0706, 16.7018, 2.4295 by changing the saturation by 10% instead.

■ 15.0706, 16.7018,
2.4295

■ 15.0706, 16.7018,
2.4295

217.1731,
233.4480, 128.7252

■ 8.9556, 10.0221,
0.8024

■ 34.5476, 37.8124,
10.1849

■ 4.7691, 5.4136,
0.0000

■ 48.6403, 53.0120,
17.1592

■ 2.1458, 2.4919,
0.0000

■ 66.1230, 71.8204,
26.7559

■ 0.7139, 0.8726,
0.0000

■ 87.3610, 94.6220,
39.3936


■ 0.0000, 0.0000,
0.0000


■ 112.7196,
121.8012, 55.4909


■ 142.5643,


153.7423, 75.4662


 177.2603,
190.8298, 99.7381


 15.0706, 16.7018,
2.4295


 15.0706, 16.7018,
2.4295


 15.0708, 16.7024,
2.4296

 15.3135, 17.0725,
2.8659

 15.5992, 17.4641,
3.5148

 15.9524, 17.8873,
4.5060

 16.3810, 18.3450,
5.8803

 16.8917, 18.8402,
7.6728

■ 17.4904, 19.3751,
9.9148

■ 18.1824, 19.9518,
12.6345

■ 18.9728, 20.5725,
15.8576

■ 19.8660, 21.2390,
19.6083

Harmonies

Analogous

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



20.1580, 16.7018, 3.1127



15.0706, 16.7018, 2.4295



11.0921, 16.7018, 3.8921

Triad

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



15.0706, 16.7018, 2.4295



9.3842, 16.7018, 38.2790



25.9441, 16.7018, 31.9943

Complementary

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



15.0706, 16.7018, 2.4295



4.1334, 1.9268, 20.9227

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.



21.8654, 16.7018, 50.0975



15.0706, 16.7018, 2.4295



12.2454, 16.7018, 54.8433

Square

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



15.0706, 16.7018, 2.4295



8.2652, 16.7018, 20.6299



16.7066, 16.7018, 60.0102



27.1249, 16.7018, 15.9421

Rectangle

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



15.0706, 16.7018, 2.4295



9.3816, 16.7018, 6.7510



16.7066, 16.7018, 60.0102



24.8308, 16.7018, 38.2537

Sweetspot

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



15.0710, 16.7026, 2.4298



32.4674, 35.6538, 22.2511



9.1399, 4.7019, 0.8799



7.2470, 7.9865, 4.6319



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



15.0710, 16.7026, 2.4298



26.9179, 29.7688, 4.3272



11.1209, 17.3865, 2.7700



4.6240, 4.9368, 4.6293



14.6963, 16.2890, 2.3695



0.0000, 0.0000, 0.0000

Inverse Universe

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



4.1334, 1.9268, 20.9227



7.3384, 3.3235, 37.4472



5.2512, 2.2495, 20.9261



4.1460, 4.2861, 5.4220



4.0318, 1.8820, 20.4007



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 15.0706, 16.7018, 2.4295 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 15.0706, 16.7018, 2.4295 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

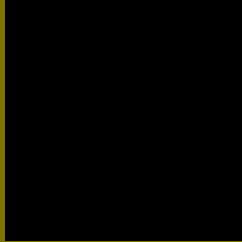
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.0706, 16.7018, 2.4295

Background



This preview shows how black text looks on a background with the XYZ color 15.0706, 16.7018, 2.4295.

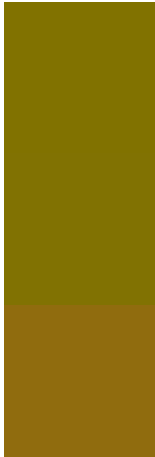


This preview shows how white text looks on a background with the XYZ color 15.0706, 16.7018,

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

15.0706, 16.7018, 2.4295

Protanopia

15.0815, 16.7061, 2.4872

Deuteranopia

16.9434, 16.6861, 2.7432



Tritanopia

18.3446, 16.7572, 18.1872

Trichromacy



Original Color

15.0706, 16.7018, 2.4295

Protanomaly

15.0761, 16.7039, 2.4583

Deuteranomaly

16.2727, 16.6606, 2.6166

Tritanomaly

16.3441, 16.4049, 8.6084

Monochromacy



Original Color

15.0706, 16.7018, 2.4295

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

13.3151, 14.7078, 7.4473

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.0706, 16.7018, 2.4295 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(129, 114, 0)` looks like.

```
.text, #text, p{  
    color:rgb(129, 114, 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(129, 114, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 114, 0) }
```

Border

The CSS property to change the border of an element to XYZ 15.0706, 16.7018, 2.4295 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(129, 114, 0) }
```


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

```
.border{ border-color:rgb(129, 114, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 114, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 114, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 114, 0);  
box-shadow:4px 4px 4px 4px rgb(129, 114,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 15.0706, 16.7018, 2.4295 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 114, 0) }
```

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

```
.background{ background-color: rgb(129,  
114, 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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