

Converting Colors

XYZ(13.0776, 15.2364, 2.5157)

Have a look what the booklet for
XYZ(13.0776, 15.2364, 2.5157)
contains.

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Color

**XYZ(13.0699, 15.1705,
2.4978)**

Conversions

Conversions Part 1

Format	Color
Hex	756F09
RGB	117, 111, 9
RGB Percent	46%, 44%, 4%
CMY	0.5412, 0.5647, 0.9647
CMYK	0.00, 0.05, 0.92, 0.54
HSL	57°, 86%, 25%
HSV	57°, 92%, 46%
XYZ	13.0699, 15.1705, 2.4978
YIQ	101.1660, 36.3180, -30.4500

Conversions

Conversions Part 2

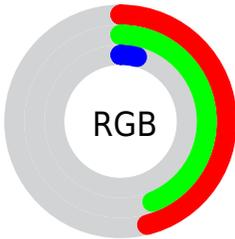
Format	Color
R_{YB}	15, 117, 9
Decimal	7696137
CIE _{Lab}	45.87, -8.59, 49.84
CIE _{LCh}	46, 50.574, 99.781
Yxy	15.1705, 0.4252, 0.4935
Android (android.graphics.Color)	4285886217 (0xFF756F09)
YUV	101.1660, -45.4378, 13.8864
Hunter-Lab	38.9493, -8.2636, 23.4623

Details

The XYZ color **13.0699, 15.1705, 2.4978** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **3.4945, 1.6842, 16.9705**, and the grayscale version is **12.5204, 13.1724, 14.3448**.

A 20% lighter version of the original color is **30.9170, 35.0047, 10.2813**, and **4.0134, 4.7906, 0.7132** is the 20% darker color. If you saturate the color by 10%, you get **12.9665, 15.0426, 2.2201**, and if you desaturate by 10%, it is **13.2247, 15.3468, 2.9605**.

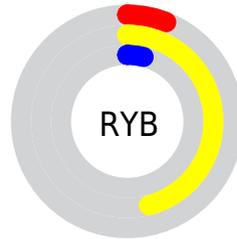
Distribution



Red (46%)

Green (44%)

Blue (4%)



Red (6%)

Yellow (46%)

Blue (4%)

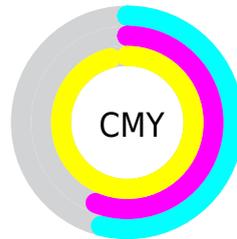


Cyan (0%)

Magenta (5%)

Yellow (92%)

Black (54%)



Cyan (54%)

Magenta (56%)

Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.0699, 15.1705, 2.4978 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 13.0699, 15.1705, 2.4978 by changing the saturation by 10% instead.

■ 13.0699, 15.1705,
2.4978

■ 13.0699, 15.1705,
2.4978

204.9937,
224.3959, 129.6822

■ 7.5540, 8.9391,
0.8390

■ 31.0296, 35.1520,
10.3618

■ 3.8603, 4.7015,
0.0000

■ 44.2040, 49.6709,
17.4095

■ 1.6234, 2.0732,
0.0000

■ 60.6621, 67.7212,
27.0923

■ 0.4076, 0.6495,
0.0000

■ 80.7691, 89.6871,
39.8287

■ 0.0000, 0.0000,
0.0000

■ 104.8904,
115.9532, 56.0374

■ 133.3914,

146.9037, 76.1368

 166.6374,
182.9232, 100.5456

 13.0699, 15.1705,
2.4978

 13.0699, 15.1705,
2.4978

 12.9665, 15.0426,
2.2201

 13.2247, 15.3468,
2.9605

 13.4300, 15.5436,
3.6881

 13.6925, 15.7642,
4.7145

 14.0177, 16.0106,
6.0682

 14.4102, 16.2847,
7.7740

■ 14.8744, 16.5884,
9.8546

■ 15.4142, 16.9231,
12.3306

■ 16.0332, 17.2904,
15.2211

■ 16.7347, 17.6916,
18.5441

Harmonies

Analogous

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



17.4444, 15.1705, 2.8252



13.0699, 15.1705, 2.4978



9.7811, 15.1705, 4.2420

Triad

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



13.0699, 15.1705, 2.4978



8.9887, 15.1705, 36.5733



23.5687, 15.1705, 26.0418

Complementary

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



13.0699, 15.1705, 2.4978



3.4945, 1.6842, 16.9705

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.



20.3311, 15.1705, 41.9523



13.0699, 15.1705, 2.4978



11.7655, 15.1705, 49.8292

Square

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



13.0699, 15.1705, 2.4978



7.7514, 15.1705, 20.8394



15.8581, 15.1705, 52.1750



24.1088, 15.1705, 12.8397

Rectangle

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



13.0699, 15.1705, 2.4978



8.4284, 15.1705, 7.2902



15.8581, 15.1705, 52.1750



22.7333, 15.1705, 31.3900

Sweetspot

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



13.0702, 15.1712, 2.4981



26.9658, 29.9130, 19.1501



7.5290, 4.0155, 0.8766



6.1266, 6.8313, 4.0690



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.



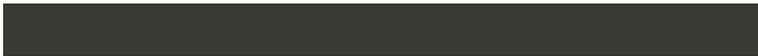
13.0702, 15.1712, 2.4981



23.1866, 26.8719, 3.9647



8.9511, 14.0520, 2.4992



3.9501, 4.2331, 3.9512



14.2826, 16.5663, 2.4449



69.3907, 80.3098, 11.8441

Inverse Universe

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



3.4945, 1.6842, 16.9705



5.8420, 2.4843, 30.3086



4.9286, 2.3150, 17.0167



3.5154, 3.6195, 4.6036



3.6115, 1.5626, 18.6538



17.3950, 7.2066, 90.8345

Previews

White Background



This preview shows how the XYZ color 13.0699, 15.1705, 2.4978 looks on a white background.

Color Contrast Check

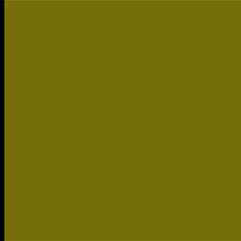
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.0699, 15.1705, 2.4978 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

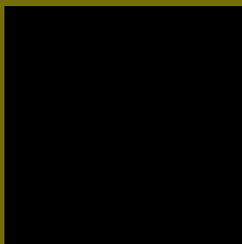
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.0699, 15.1705, 2.4978

Background



This preview shows how black text looks on a background with the XYZ color 13.0699, 15.1705, 2.4978.



This preview shows how white text looks on a background with the XYZ color 13.0699, 15.1705,

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

13.0699, 15.1705, 2.4978

Protanopia

13.6808, 15.1658, 2.4360

Deuteranopia

15.2760, 15.0625, 2.6745



Tritanopia

16.0317, 15.1333, 17.1150

Trichromacy



Original Color

13.0699, 15.1705, 2.4978

Protanomaly

13.5049, 15.2343, 2.4585

Deuteranomaly

14.4462, 15.0884, 2.6029

Tritanomaly

14.2752, 14.8674, 8.5959

Monochromacy



Original Color

13.0699, 15.1705, 2.4978

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

12.1584, 13.6463, 7.4620

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.0699, 15.1705, 2.4978 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, 111, 9)` looks like.

```
.text, #text, p{  
    color:rgb(117, 111, 9)  
}
```

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, 111, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 111, 9) }
```

Border

The CSS property to change the border of an element to XYZ 13.0699, 15.1705, 2.4978 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, 111, 9) }
```

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

```
.border{ border-color:rgb(117, 111, 9) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 111, 9)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 111, 9); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 111, 9);  
box-shadow:4px 4px 4px 4px rgb(117, 111,  
9) }
```

Background

The CSS property to change the background color of an element to XYZ 13.0699, 15.1705, 2.4978 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 111, 9) }
```

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

```
.background{ background-color: rgb(117,  
111, 9) }
```

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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