

Converting Colors

XYZ(13.1310, 15.3850, 0.6557)

Have a look what the booklet for
XYZ(13.1310, 15.3850, 0.6557)
contains.

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Color

**XYZ(13.4019, 15.5103,
2.2874)**

Conversions

Conversions Part 1

Format	Color
Hex	777000
RGB	119, 112, 0
RGB Percent	47%, 44%, 0%
CMY	0.5333, 0.5608, 1.0000
CMYK	0.00, 0.06, 1.00, 0.53
HSL	56°, 100%, 23%
HSV	56°, 100%, 47%
XYZ	13.4019, 15.5103, 2.2874
YIQ	101.3250, 40.1240, -33.3480

Conversions

Conversions Part 2

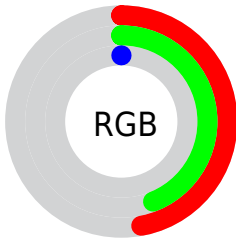
Format	Color
R_YB	7, 119, 0
Decimal	7827456
CIE Lab	46.33, -8.40, 52.27
CIE LCh	46, 52.943, 99.130
Yxy	15.5103, 0.4296, 0.4971
Android (android.graphics.Color)	4286017536 (0xFF777000)
YUV	101.3250, -49.9532, 15.5010
Hunter-Lab	39.3831, -8.1777, 24.1246

Details

The XYZ color **13.4019, 15.5103, 2.2874** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **3.4058, 1.4839, 17.5595**, and the grayscale version is **12.5724, 13.2271, 14.4044**.

A 20% lighter version of the original color is **31.6459, 35.6561, 9.7718**, and **4.1371, 4.9388, 0.7352** is the 20% darker color. If you saturate the color by 10%, you get **13.4022, 15.5110, 2.2875**, and if you desaturate by 10%, it is **13.5455, 15.6923, 2.6598**.

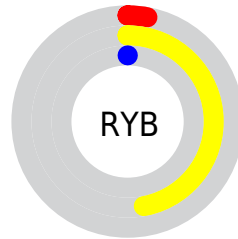
Distribution



Red (47%)

Green (44%)

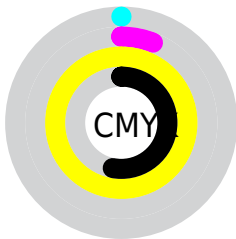
Blue (0%)



Red (3%)

Yellow (47%)

Blue (0%)

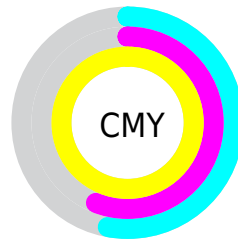


Cyan (0%)

Magenta (6%)

Yellow (100%)

Black (53%)



Cyan (53%)

Magenta (56%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.4019, 15.5103, 2.2874 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 13.4019, 15.5103, 2.2874 by changing the saturation by 10% instead.

■ 13.4019, 15.5103,
2.2874

■ 13.4019, 15.5103,
2.2874

207.0635,
226.4345, 126.6910

■ 7.7848, 9.1783,
0.7241

■ 31.6192, 35.7459,
9.8126

■ 4.0082, 4.8577,
0.0000

■ 44.9500, 50.4184,
16.6310

■ 1.7068, 2.1640,
0.0000

■ 61.5828, 68.6398,
26.0447

■ 0.4605, 0.7003,
0.0000

■ 81.8829, 90.7945,
38.4722


■ 0.0000, 0.0000,
0.0000


■ 106.2157,
117.2669, 54.3320


■ 134.9465,


148.4414, 74.0428


 168.4406,
184.7025, 98.0229


 13.4019, 15.5103,
2.2874


 13.4019, 15.5103,
2.2874


 13.4022, 15.5110,
2.2875

 13.5455, 15.6923,
2.6598

 13.7207, 15.8874,
3.1970

 13.9505, 16.1052,
4.0189

 14.2412, 16.3484,
5.1587

 14.5983, 16.6191,
6.6451

■ 15.0266, 16.9193,
8.5034

■ 15.5305, 17.2506,
10.7566

■ 16.1140, 17.6148,
13.4261

■ 16.7808, 18.0133,
16.5313

Harmonies

Analogous

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



18.0702, 15.5103, 2.6539



13.4019, 15.5103, 2.2874



9.8974, 15.5103, 3.9825

Triad

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



13.4019, 15.5103, 2.2874



8.9619, 15.5103, 38.0464



24.4778, 15.5103, 27.4328

Complementary

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



13.4019, 15.5103, 2.2874



3.4058, 1.4839, 17.5595

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.



20.9549, 15.5103, 44.5943



13.4019, 15.5103, 2.2874



11.8499, 15.5103, 52.5970

Square

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



13.4019, 15.5103, 2.2874



7.7025, 15.5103, 21.1665



16.1687, 15.5103, 55.4660



25.1305, 15.5103, 13.2289

Rectangle

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



13.4019, 15.5103, 2.2874



8.4551, 15.5103, 7.0453



16.1687, 15.5103, 55.4660



23.5600, 15.5103, 33.2062

Sweetspot

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



13.4022, 15.5110, 2.2877



27.7371, 30.8439, 18.9271



7.6512, 3.9394, 0.5851



6.4975, 7.2605, 4.1440



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.



13.4022, 15.5110, 2.2877



23.9648, 27.7060, 4.0847



8.9415, 14.4022, 2.3088



3.9491, 4.2312, 3.9508



14.2368, 16.4749, 2.4296



69.1565, 79.8415, 11.7660

Inverse Universe

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



3.4058, 1.4839, 17.5595



6.0620, 2.5836, 31.4323



4.7239, 2.0507, 17.5994



3.5163, 3.6213, 4.6039



3.6158, 1.5713, 18.6553



17.4061, 7.2289, 90.8382

Previews

White Background



This preview shows how the XYZ color 13.4019, 15.5103, 2.2874 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 13.4019, 15.5103, 2.2874 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 13.4019, 15.5103, 2.2874

Background



This preview shows how black text looks on a background with the XYZ color 13.4019, 15.5103, 2.2874.



This preview shows how white text looks on a background with the XYZ color 13.4019, 15.5103,

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

13.4019, 15.5103, 2.2874

Protanopia

13.8881, 15.4369, 2.2476

Deuteranopia

15.6913, 15.4270, 2.6409



Tritanopia

16.4791, 15.5061, 17.4537

Trichromacy



Original Color

13.4019, 15.5103, 2.2874

Protanomaly

13.7105, 15.5065, 2.2704

Deuteranomaly

14.8282, 15.4428, 2.4864

Tritanomaly

14.5634, 15.1813, 8.1239

Monochromacy



Original Color

13.4019, 15.5103, 2.2874

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

12.1613, 13.6615, 6.8464

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.4019, 15.5103, 2.2874 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(119, 112, 0)` looks like.

```
.text, #text, p{  
    color:rgb(119, 112, 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(119, 112, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 112, 0) }
```

Border

The CSS property to change the border of an element to XYZ 13.4019, 15.5103, 2.2874 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(119, 112, 0) }
```


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

```
.border{ border-color:rgb(119, 112, 0) }
```

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

Here you see how a box with a 4 pixel rgb(119, 112, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 112, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 112, 0);  
box-shadow:4px 4px 4px 4px rgb(119, 112,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 13.4019, 15.5103, 2.2874 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 112, 0) }
```

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

```
.background{ background-color: rgb(119,  
112, 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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