

Converting Colors

XYZ(13.8757, 15.3937, 2.3002)

Have a look what the booklet for
XYZ(13.8757, 15.3937, 2.3002)
contains.

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Color

**XYZ(13.8991, 15.4413,
2.3053)**

Conversions

Conversions Part 1

Format	Color
Hex	7C6E02
RGB	124, 110, 2
RGB Percent	49%, 43%, 1%
CMY	0.5137, 0.5686, 0.9921
CMYK	0.00, 0.11, 0.98, 0.51
HSL	53°, 97%, 25%
HSV	53°, 98%, 49%
XYZ	13.8991, 15.4413, 2.3053
YIQ	101.8740, 43.0120, -30.6200

Conversions

Conversions Part 2

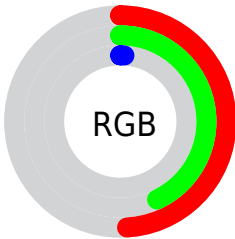
Format	Color
RYB	18, 124, 2
Decimal	8154626
CIELab	46.23, -4.82, 51.97
CIELCh	46, 52.192, 95.301
Yxy	15.4413, 0.4392, 0.4879
Android (android.graphics.Color)	4286344706 (0xFF7C6E02)
YUV	101.8740, -49.2379, 19.4045
Hunter-Lab	39.2954, -5.6301, 24.0285

Details

The XYZ color **13.8991, 15.4413, 2.3053** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **3.8485, 1.8388, 19.2209**, and the grayscale version is **12.7135, 13.3756, 14.5661**.

A 20% lighter version of the original color is **32.4645, 35.5519, 9.8538**, and **4.3760, 4.8946, 0.7141** is the 20% darker color. If you saturate the color by 10%, you get **13.8637, 15.3881, 2.2395**, and if you desaturate by 10%, it is **14.1253, 15.7800, 2.7314**.

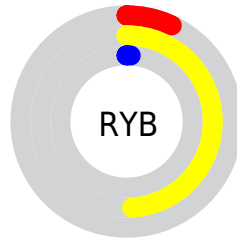
Distribution



Red (49%)

Green (43%)

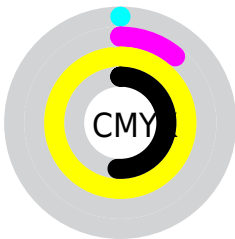
Blue (1%)



Red (7%)

Yellow (49%)

Blue (1%)

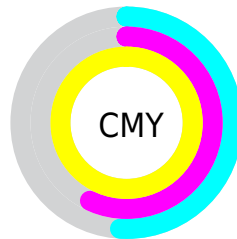


Cyan (0%)

Magenta (11%)

Yellow (98%)

Black (51%)



Cyan (51%)

Magenta (57%)

Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.8991, 15.4413, 2.3053 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 13.8991, 15.4413, 2.3053 by changing the saturation by 10% instead.

■ 13.8991, 15.4413,
2.3053

■ 13.8991, 15.4413,
2.3053

210.1254,
226.0220, 126.9506

■ 8.1318, 9.1297,
0.7342

■ 32.4977, 35.6255,
9.8598

■ 4.2319, 4.8259,
0.0000

■ 46.0596, 50.2669,
16.6981

■ 1.8341, 2.1455,
0.0000

■ 62.9504, 68.4537,
26.1352

■ 0.5381, 0.6900,
0.0000


■ 83.5355, 90.5702,
38.5895


■ 0.0000, 0.0000,
0.0000


■ 108.1801,
117.0009, 54.4797


■ 137.2498,


148.1302, 74.2243


 171.1098,
184.3424, 98.2417


 13.8991, 15.4413,
2.3053


 13.8991, 15.4413,
2.3053


 13.8637, 15.3881,
2.2395

 14.1253, 15.7800,
2.7314

 14.3960, 16.1398,
3.3817

 14.7298, 16.5289,
4.3514

 15.1333, 16.9498,
5.6764

 15.6126, 17.4051,
7.3879

■ 16.1730, 17.8968,
9.5136

■ 16.8191, 18.4269,
12.0786

■ 17.5554, 18.9971,
15.1062

■ 18.3861, 19.6092,
18.6179

Harmonies

Analogous

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



18.5550, 15.4413, 2.9223



13.8991, 15.4413, 2.3053



10.2617, 15.4413, 3.6867

Triad

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



13.8991, 15.4413, 2.3053



8.7364, 15.4413, 35.3498



23.9165, 15.4413, 29.2894

Complementary

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



13.8991, 15.4413, 2.3053



3.8485, 1.8388, 19.2209

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.



20.2045, 15.4413, 45.8369



13.8991, 15.4413, 2.3053



11.3800, 15.4413, 50.4048

Square

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



13.8991, 15.4413, 2.3053



7.6922, 15.4413, 19.1833



15.4823, 15.4413, 54.9853



24.9660, 15.4413, 14.6464

Rectangle

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



13.8991, 15.4413, 2.3053



8.6998, 15.4413, 6.3568



15.4823, 15.4413, 54.9853



22.9065, 15.4413, 35.0038

Sweetspot

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



13.8994, 15.4420, 2.3056



29.3189, 32.2036, 20.1330



8.4293, 4.3667, 0.8982



6.8106, 7.5074, 4.3654



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



13.8994, 15.4420, 2.3056



24.3330, 26.9518, 3.9197



10.2982, 16.0073, 2.6045



4.2704, 4.5592, 4.2794



14.0926, 15.6411, 2.2763



66.8257, 73.8149, 10.7256

Inverse Universe

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



3.8485, 1.8388, 19.2209



6.6256, 3.0076, 33.7879



4.9154, 2.1460, 19.2239



3.8313, 3.9608, 5.0058



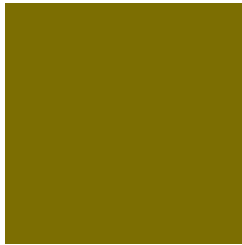
3.8601, 1.8026, 19.5298



18.0806, 7.9338, 93.0482

Previews

White Background



This preview shows how the XYZ color 13.8991, 15.4413, 2.3053 looks on a white background.

Color Contrast Check

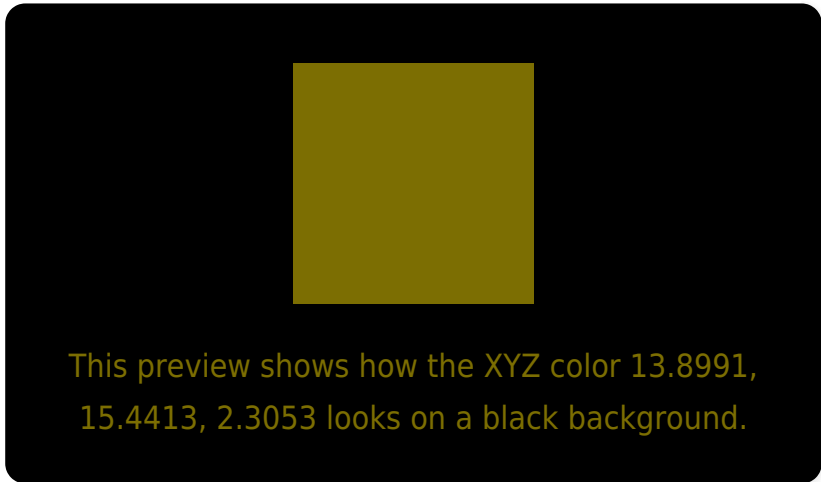
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

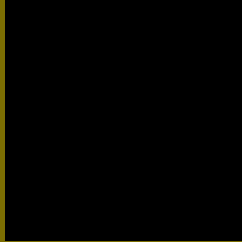
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.8991, 15.4413, 2.3053

Background



This preview shows how black text looks on a background with the XYZ color 13.8991, 15.4413, 2.3053.



This preview shows how white text looks on a background with the XYZ color 13.8991, 15.4413,

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

13.8991, 15.4413, 2.3053

Protanopia

13.8991, 15.4413, 2.3053

Deuteranopia

15.6770, 15.4213, 2.5658



Tritanopia

16.7718, 15.3744, 16.8354

Trichromacy



Original Color

13.8991, 15.4413, 2.3053

Protanomaly

13.8991, 15.4413, 2.3053

Deuteranomaly

15.0403, 15.3983, 2.4666

Tritanomaly

15.0910, 15.1473, 8.0896

Monochromacy



Original Color

13.8991, 15.4413, 2.3053

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

12.4654, 13.8115, 7.1631

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.8991, 15.4413, 2.3053 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(124, 110, 2)` looks like.

```
.text, #text, p{  
    color:rgb(124, 110, 2)  
}
```

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(124, 110, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 110, 2) }
```

Border

The CSS property to change the border of an element to XYZ 13.8991, 15.4413, 2.3053 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(124, 110, 2) }
```


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

```
.border{ border-color:rgb(124, 110, 2) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 110, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 110, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 110, 2);  
box-shadow:4px 4px 4px 4px rgb(124, 110,  
2) }
```

Background

The CSS property to change the background color of an element to XYZ 13.8991, 15.4413, 2.3053 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 110, 2) }
```

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

```
.background{ background-color: rgb(124,  
110, 2) }
```

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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