

Converting Colors

XYZ(15.5946, 11.6878, 1.4340)

Have a look what the booklet for
XYZ(15.5946, 11.6878, 1.4340)
contains.

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Color

**XYZ(15.5856, 11.6699,
1.4311)**

Conversions

Conversions Part 1

Format	Color
Hex	994A00
RGB	153, 74, 0
RGB Percent	60%, 29%, 0%
CMY	0.4000, 0.7098, 1.0000
CMYK	0.00, 0.52, 1.00, 0.40
HSL	29°, 100%, 30%
HSV	29°, 100%, 60%
XYZ	15.5856, 11.6699, 1.4311
YIQ	89.1850, 70.8380, -6.2660

Conversions

Conversions Part 2

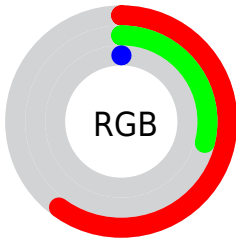
Format	Color
R_{YB}	153, 143, 0
Decimal	10045952
CIE Lab	40.69, 29.33, 50.54
CIE LCh	41, 58.433, 59.867
Yxy	11.6699, 0.5433, 0.4068
Android (android.graphics.Color)	4288236032 (0xFF994A00)
YUV	89.1850, -43.9682, 55.9658
Hunter-Lab	34.1612, 21.6560, 21.4291

Details

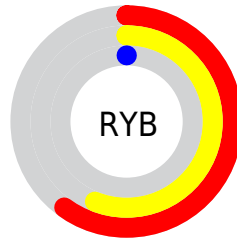
The XYZ color **15.5856, 11.6699, 1.4311** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **8.5455, 7.8915, 31.2093**, and the grayscale version is **9.6205, 10.1215, 11.0223**.

A 20% lighter version of the original color is **35.3620, 28.8470, 7.4456**, and **5.1112, 3.2168, 0.3515** is the 20% darker color. If you saturate the color by 10%, you get **15.5857, 11.6702, 1.4311**, and if you desaturate by 10%, it is **16.2352, 12.8279, 2.0837**.

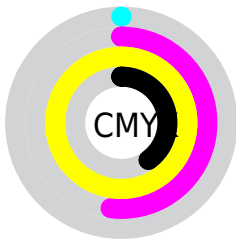
Distribution



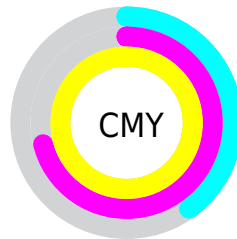
- Red (60%)
- Green (29%)
- Blue (0%)



- Red (60%)
- Yellow (56%)
- Blue (0%)



- Cyan (0%)
- Magenta (52%)
- Yellow (100%)
- Black (40%)



- Cyan (40%)
- Magenta (71%)
- Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.5856, 11.6699, 1.4311 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 15.5856, 11.6699, 1.4311 by changing the saturation by 10% instead.

15.5856, 11.6699,
1.4311

15.5856, 11.6699,
1.4311

220.2026,
202.2075, 112.8023

9.3204, 6.5193,
0.1658

35.4406, 28.8925,
7.4173

5.0095, 3.1634,
0.0000

49.7610, 41.7332,
13.1754

2.2877, 1.2176,
0.0000

67.4972, 57.9062,
21.3349

0.7883, 0.0760,
0.0000

89.0146, 77.7957,
32.3144


0.0000, 0.0000,
0.0000


114.6785,
101.7862, 46.5323


144.8542,


130.2621, 64.4072


 179.9071,
163.6077, 86.3577


 15.5856, 11.6699,
1.4311


 15.5856, 11.6699,
1.4311


 15.5857, 11.6702,
1.4311

 16.2352, 12.8279,
2.0837

 17.0185, 14.1485,
3.1031

 17.9680, 15.6488,
4.6484

 19.0978, 17.3379,
6.7837

 20.4202, 19.2239,
9.5640

■ 21.9463, 21.3144,
13.0377

■ 23.6861, 23.6163,
17.2485

■ 25.6490, 26.1362,
22.2366

■ 27.8436, 28.8805,
28.0393

Harmonies

Analogous

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



19.5229, 11.6699, 4.4009



15.5856, 11.6699, 1.4311



11.1104, 11.6699, 0.8191

Triad

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



15.5856, 11.6699, 1.4311



4.8855, 11.6699, 12.6536



15.5454, 11.6699, 44.4877

Complementary

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



15.5856, 11.6699, 1.4311



8.5455, 7.8915, 31.2093

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.



11.0734, 11.6699, 51.8382



15.5856, 11.6699, 1.4311



5.5232, 11.6699, 27.7703

Square

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



15.5856, 11.6699, 1.4311



5.5348, 11.6699, 4.3558



7.5574, 11.6699, 44.3657



19.4959, 11.6699, 27.9251

Rectangle

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



15.5856, 11.6699, 1.4311



8.6014, 11.6699, 1.0656



7.5574, 11.6699, 44.3657



14.0220, 11.6699, 48.4518

Sweetspot

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



15.5859, 11.6705, 1.4313



42.2232, 42.0383, 30.4031



14.5499, 7.3376, 8.0564



9.0501, 8.9239, 6.0436



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



15.5859, 11.6705, 1.4313



27.7283, 20.5317, 2.5016



24.1148, 28.7285, 4.2743



6.4430, 6.6911, 6.5578



12.9147, 9.7118, 1.1939



0.2293, 0.2176, 0.0299

Inverse Universe

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



8.5455, 7.8915, 31.2093



15.1171, 13.7587, 55.8309



5.7775, 2.3553, 30.2866



6.1350, 6.5273, 7.8655



7.0962, 6.5891, 25.8055



0.1425, 0.1713, 0.3979

Previews

White Background



This preview shows how the XYZ color 15.5856, 11.6699, 1.4311 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

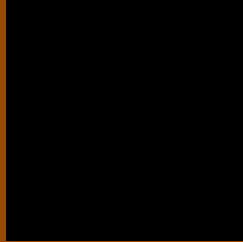
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.5856, 11.6699, 1.4311

Background



This preview shows how black text looks on a background with the XYZ color 15.5856, 11.6699, 1.4311.



This preview shows how white text looks on a background with the XYZ color 15.5856, 11.6699,

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

15.5856, 11.6699, 1.4311

Protanopia

10.6606, 11.8323, 2.1375

Deuteranopia

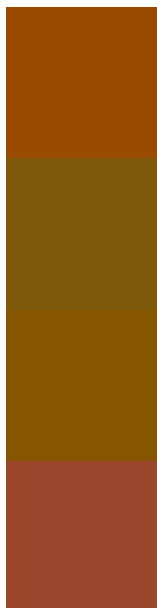
11.8532, 11.7919, 1.6513



Tritanopia

16.8483, 11.7058, 7.6748

Trichromacy



Original Color

15.5856, 11.6699, 1.4311

Protanomaly

12.0791, 11.5245, 1.8462

Deuteranomaly

12.9214, 11.4835, 1.5355

Tritanomaly

16.0728, 11.5738, 3.9716

Monochromacy



Original Color

15.5856, 11.6699, 1.4311

Achromatopsia

9.4954, 9.9899, 10.8790

Achromatomaly

10.5909, 10.0808, 5.2585

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.5856, 11.6699, 1.4311 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(153, 74, 0)` looks like.

```
.text, #text, p{  
    color:rgb(153, 74, 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(153, 74, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 74, 0) }
```

Border

The CSS property to change the border of an element to XYZ 15.5856, 11.6699, 1.4311 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(153, 74, 0) }
```


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

```
.border{ border-color:rgb(153, 74, 0) }
```

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

Here you see how a box with a 4 pixel rgb(153, 74, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 74, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 74, 0);  
box-shadow:4px 4px 4px 4px rgb(153, 74, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 15.5856, 11.6699, 1.4311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 74, 0) }
```

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

```
.background{ background-color: rgb(153, 74,  
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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