

Converting Colors

XYZ(15.4241, 11.9710, 0.9844)

Have a look what the booklet for
XYZ(15.4241, 11.9710, 0.9844)
contains.

XYZ(15.4869, 12.0281, 1.5054)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(15.4869, 12.0281,
1.5054)**

Conversions

Conversions Part 1

Format	Color
Hex	974E00
RGB	151, 78, 0
RGB Percent	59%, 31%, 0%
CMY	0.4078, 0.6941, 1.0000
CMYK	0.00, 0.48, 1.00, 0.41
HSL	31°, 100%, 30%
HSV	31°, 100%, 59%
XYZ	15.4869, 12.0281, 1.5054
YIQ	90.9350, 68.5460, -8.7820

Conversions

Conversions Part 2

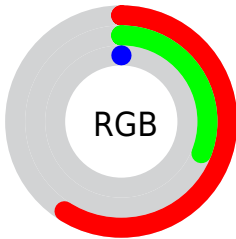
Format	Color
R_{YB}	141, 151, 0
Decimal	9915904
CIE Lab	41.26, 26.28, 50.72
CIE LCh	41, 57.127, 62.611
Yxy	12.0281, 0.5337, 0.4145
Android (android.graphics.Color)	4288105984 (0xFF974E00)
YUV	90.9350, -44.8310, 52.6770
Hunter-Lab	34.6816, 19.0157, 21.7035

Details

The XYZ color **15.4869, 12.0281, 1.5054** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **7.9683, 6.9991, 30.2089**, and the grayscale version is **10.0174, 10.5391, 11.4770**.

A 20% lighter version of the original color is **35.2969, 29.5728, 7.5891**, and **5.0307, 3.3602, 0.3834** is the 20% darker color. If you saturate the color by 10%, you get **15.4870, 12.0285, 1.5055**, and if you desaturate by 10%, it is **16.1219, 13.1591, 2.1460**.

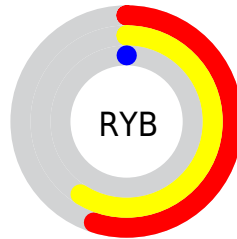
Distribution



Red (59%)

Green (31%)

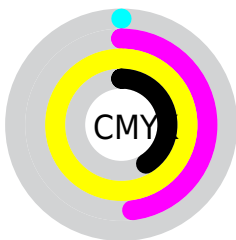
Blue (0%)



Red (55%)

Yellow (59%)

Blue (0%)

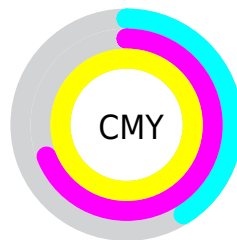


Cyan (0%)

Magenta (48%)

Yellow (100%)

Black (41%)



Cyan (41%)


Magenta (69%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 15.4869, 12.0281, 1.5054 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 15.4869, 12.0281, 1.5054 by changing the saturation by 10% instead.


 15.4869, 12.0281,
1.5054


 15.4869, 12.0281,
1.5054


 219.6251,
204.5912, 114.1506


 9.2503, 6.7628,
0.2219


 35.2698, 29.5463,
7.6382


 4.9632, 3.3142,
0.0000

 49.5469, 42.5680,
13.4989


 2.2602, 1.2979,
0.0000

 67.2348, 58.9439,
21.7805

 0.7742, 0.1396,
0.0000

 88.6990, 79.0585,
32.9015


 0.0000, 0.0000,
0.0000


 114.3047,
103.2961, 47.2804


 144.4174,


132.0412, 65.3359


 179.4024,
165.6781, 87.4864


 15.4869, 12.0281,
1.5054


 15.4869, 12.0281,
1.5054


 15.4870, 12.0285,
1.5055

 16.1219, 13.1591,
2.1460

 16.8790, 14.4334,
3.1382

 17.7899, 15.8670,
4.6383

 18.8676, 17.4676,
6.7082

 20.1239, 19.2426,
9.4008

■ 21.5690, 21.1984,
12.7628

■ 23.2122, 23.3411,
16.8367

■ 25.0624, 25.6766,
21.6610

■ 27.1275, 28.2102,
27.2717

Harmonies

Analogous

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



19.5077, 12.0281, 4.2678



15.4869, 12.0281, 1.5054



11.0745, 12.0281, 0.9839

Triad

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



15.4869, 12.0281, 1.5054



5.1945, 12.0281, 14.1597



16.2664, 12.0281, 43.0984

Complementary

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



15.4869, 12.0281, 1.5054



7.9683, 6.9991, 30.2089

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.



11.7978, 12.0281, 51.4655



15.4869, 12.0281, 1.5054



5.9645, 12.0281, 29.5671

Square

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



15.4869, 12.0281, 1.5054



5.7332, 12.0281, 5.1748



8.1555, 12.0281, 45.4304



20.0286, 12.0281, 26.5865

Rectangle

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



15.4869, 12.0281, 1.5054



8.6438, 12.0281, 1.3238



8.1555, 12.0281, 45.4304



14.7640, 12.0281, 47.2910

Sweetspot

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



15.4872, 12.0288, 1.5056



41.3829, 41.5605, 29.6755



14.0497, 7.0942, 7.3757



9.1384, 9.1004, 6.0730



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.



15.4872, 12.0288, 1.5056



27.5517, 21.1740, 2.6349



23.8289, 28.7123, 4.2862



6.4594, 6.7240, 6.5632



13.2040, 10.2904, 1.2903



0.2338, 0.2267, 0.0314

Inverse Universe

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



7.9683, 6.9991, 30.2089



14.0886, 12.1714, 54.0404



5.5859, 2.2344, 29.4148



6.1185, 6.4944, 7.8600



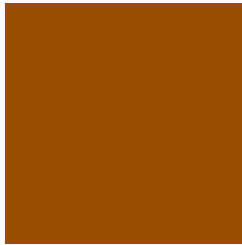
6.8071, 6.0109, 25.7091



0.1379, 0.1622, 0.3964

Previews

White Background



This preview shows how the XYZ color 15.4869, 12.0281, 1.5054 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 15.4869, 12.0281, 1.5054

Background



This preview shows how black text looks on a background with the XYZ color 15.4869, 12.0281, 1.5054.



This preview shows how white text looks on a background with the XYZ color 15.4869, 12.0281,

1.5054.

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

15.4869, 12.0281, 1.5054

Protanopia

10.9959, 12.1439, 2.1452

Deuteranopia

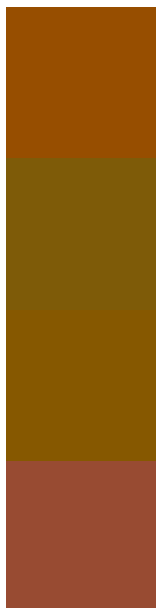
12.2265, 12.1138, 1.6938



Tritanopia

16.8946, 12.0875, 8.6504

Trichromacy



Original Color

15.4869, 12.0281, 1.5054

Protanomaly

12.3891, 11.9353, 1.8805

Deuteranomaly

13.3212, 12.0478, 1.6233

Tritanomaly

16.0407, 11.9378, 4.4764

Monochromacy



Original Color

15.4869, 12.0281, 1.5054

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

10.9016, 10.4718, 5.4497

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.4869, 12.0281, 1.5054 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(151, 78, 0)` looks like.

```
.text, #text, p{  
    color:rgb(151, 78, 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(151, 78, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 78, 0) }
```

Border

The CSS property to change the border of an element to XYZ 15.4869, 12.0281, 1.5054 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(151, 78, 0) }
```


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

```
.border{ border-color:rgb(151, 78, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 78, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 78, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 78, 0);  
box-shadow:4px 4px 4px 4px rgb(151, 78, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 15.4869, 12.0281, 1.5054 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 78, 0) }
```

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

```
.background{ background-color: rgb(151, 78,  
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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