

Converting Colors

XYZ(15.5824, 11.9550, 2.3512)

Have a look what the booklet for
XYZ(15.5824, 11.9550, 2.3512)
contains.

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Color

**XYZ(15.5812, 11.9530,
2.3501)**

Conversions

Conversions Part 1

Format	Color
Hex	974D18
RGB	151, 77, 24
RGB Percent	59%, 30%, 9%
CMY	0.4078, 0.6980, 0.9059
CMYK	0.00, 0.49, 0.84, 0.41
HSL	25°, 73%, 34%
HSV	25°, 84%, 59%
XYZ	15.5812, 11.9530, 2.3501
YIQ	93.0840, 61.1170, -0.7950

Conversions

Conversions Part 2

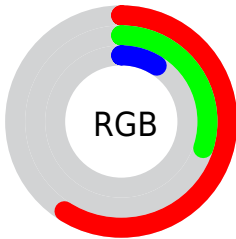
Format	Color
RYB	151, 115, 24
Decimal	9915672
CIELab	41.14, 27.35, 42.83
CIElCh	41, 50.820, 57.443
Yxy	11.9530, 0.5214, 0.4000
Android (android.graphics.Color)	4288105752 (0xFF974D18)
YUV	93.0840, -34.0584, 50.7923
Hunter-Lab	34.5731, 19.9424, 20.1710

Details


The XYZ color **15.5812, 11.9530, 2.3501** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **10.3299, 11.1632, 30.8881**, and the grayscale version is **10.4916, 11.0379, 12.0203**.

A 20% lighter version of the original color is **35.3374, 29.3483, 9.9332**, and **5.0804, 3.3082, 0.3708** is the 20% darker color. If you saturate the color by 10%, you get **14.8908, 10.7581, 1.5473**, and if you desaturate by 10%, it is **16.4423, 13.3505, 3.6386**.

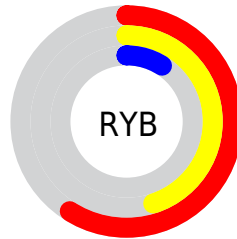
Distribution



 Red (59%)

 Green (30%)

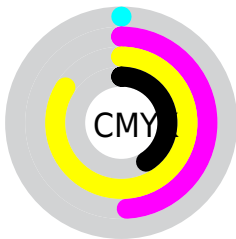
 Blue (9%)




 Red (59%)

 Yellow (45%)

 Blue (9%)

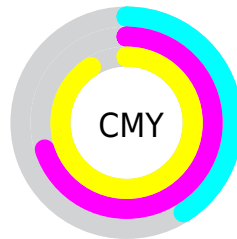



 Cyan (0%)

 Magenta (49%)

 Yellow (84%)

 Black (41%)



 Cyan (41%)


 Magenta (70%)


 Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.5812, 11.9530, 2.3501 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 15.5812, 11.9530, 2.3501 by changing the saturation by 10% instead.


 15.5812, 11.9530,
2.3501


 15.5812, 11.9530,
2.3501


220.1769,
204.0939, 127.5960


 9.3173, 6.7117,
0.7591


 35.4330, 29.4095,
9.9776

 5.0074, 3.2825,
0.0000


 49.7515, 42.3934,
16.8653


 2.2864, 1.2809,
0.0000

 67.4856, 58.7270,
26.3605

 0.7877, 0.1264,
0.0000

 89.0006, 78.7947,
38.8815


 0.0000, 0.0000,
0.0000


 114.6618,
102.9808, 54.8471


 144.8348,


131.6698, 74.6757


 179.8847,
165.2460, 98.7858


 15.5812, 11.9530,
2.3501


 15.5812, 11.9530,
2.3501


 14.8908, 10.7581,
1.5473

 16.4423, 13.3505,
3.6386

 14.5410, 10.1365,
1.1901

 17.4893, 14.9601,
5.4807

 18.7359, 16.7927,
7.9333

 20.1942, 18.8574,
11.0457

 21.8752, 21.1631,
14.8624

■ 23.7890, 23.7179,
19.4239

■ 25.9450, 26.5297,
24.7674

■ 28.3520, 29.6058,
30.9280

■ 31.0186, 32.9532,
37.9382

Harmonies

Analogous

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



18.8148, 11.9530, 5.7644



15.5812, 11.9530, 2.3501



11.6776, 11.9530, 1.4818

Triad

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



15.5812, 11.9530, 2.3501



5.6841, 11.9530, 12.1368



14.9200, 11.9530, 40.3204

Complementary

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



15.5812, 11.9530, 2.3501



10.3299, 11.1632, 30.8881

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.



11.0501, 11.9530, 45.2853



15.5812, 11.9530, 2.3501



6.1929, 11.9530, 24.6786

Square

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



15.5812, 11.9530, 2.3501



6.4046, 11.9530, 4.9066



7.9812, 11.9530, 38.4410



18.3790, 11.9530, 27.1403

Rectangle

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



15.5812, 11.9530, 2.3501



9.3806, 11.9530, 1.7050



7.9812, 11.9530, 38.4410



13.6021, 11.9530, 43.2363

Sweetspot

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



15.5815, 11.9536, 2.3503



42.0996, 41.8104, 33.5632



15.2976, 8.1160, 12.3363



9.3106, 9.1601, 7.0082



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.



15.5815, 11.9536, 2.3503



25.8695, 17.8095, 2.0741



22.3662, 25.5232, 4.6119



6.4100, 6.6251, 6.5468



12.3975, 8.6775, 1.0215



0.2201, 0.1992, 0.0268

Inverse Universe

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



10.3299, 11.1632, 30.8881



16.0665, 16.1270, 54.6997



6.5515, 3.6063, 29.6286



6.1684, 6.5941, 7.8766



7.7480, 7.8926, 26.0228



0.1517, 0.1897, 0.4010

Previews

White Background



This preview shows how the XYZ color 15.5812, 11.9530, 2.3501 looks on a white background.

Color Contrast Check

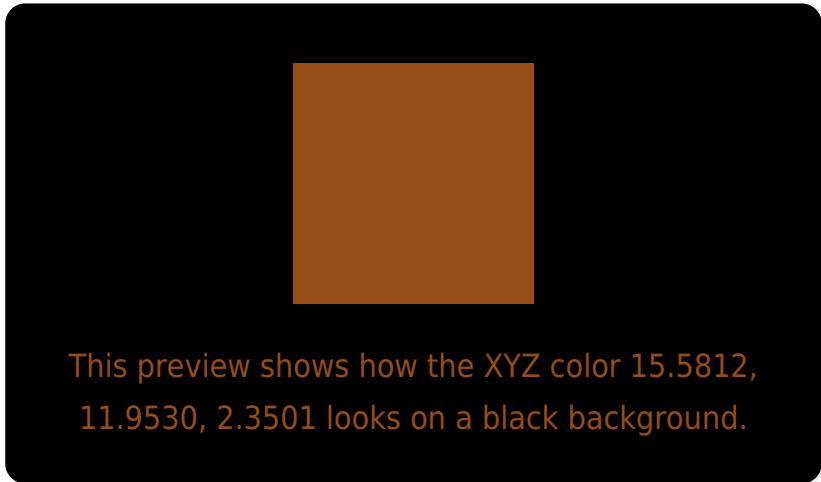
Large Text (above 18pt) WCAG AA ✓ Pass

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

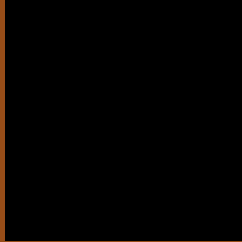
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.5812, 11.9530, 2.3501

Background



This preview shows how black text looks on a background with the XYZ color 15.5812, 11.9530, 2.3501.



This preview shows how white text looks on a background with the XYZ color 15.5812, 11.9530,

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

15.5812, 11.9530, 2.3501

Protanopia

11.0199, 12.1391, 2.9247

Deuteranopia

12.1763, 12.0771, 2.1796



Tritanopia

16.7938, 11.9429, 8.4412

Trichromacy



Original Color

15.5812, 11.9530, 2.3501

Protanomaly

12.3114, 11.7514, 2.6563

Deuteranomaly

13.1986, 11.8500, 2.2077

Tritanomaly

16.1614, 11.8784, 5.4440

Monochromacy



Original Color

15.5812, 11.9530, 2.3501

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

11.3910, 10.8112, 6.9552

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.5812, 11.9530, 2.3501 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, 77, 24)` looks like.

```
.text, #text, p{  
    color:rgb(151, 77, 24)  
}
```

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, 77, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 77, 24) }
```

Border

The CSS property to change the border of an element to XYZ 15.5812, 11.9530, 2.3501 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, 77, 24) }
```


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

```
.border{ border-color:rgb(151, 77, 24) }
```

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

Here you see how a box with a 4 pixel rgb(151, 77, 24) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 77, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 77, 24);  
box-shadow:4px 4px 4px 4px rgb(151, 77,  
24) }
```

Background

The CSS property to change the background color of an element to XYZ 15.5812, 11.9530, 2.3501 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 77, 24) }
```

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

```
.background{ background-color: rgb(151, 77,  
24) }
```

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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