

Converting Colors

XYZ(18.6701, 11.4883, 0.0000)

Have a look what the booklet for
XYZ(18.6701, 11.4883, 0.0000)
contains.

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Color

**XYZ(18.9072, 11.5699,
1.2367)**

Conversions

Conversions Part 1

Format	Color
Hex	AF3400
RGB	175, 52, 0
RGB Percent	69%, 20%, 0%
CMY	0.3137, 0.7960, 1.0000
CMYK	0.00, 0.70, 1.00, 0.31
HSL	18°, 100%, 34%
HSV	18°, 100%, 69%
XYZ	18.9072, 11.5699, 1.2367
YIQ	82.8490, 90.0000, 9.9040

Conversions

Conversions Part 2

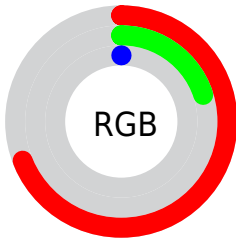
Format	Color
R_{YB}	175, 74, 0
Decimal	11482112
CIE _{Lab}	40.52, 48.24, 52.50
CIE _{LCh}	41, 71.295, 47.422
Yxy	11.5699, 0.5962, 0.3648
Android (android.graphics.Color)	4289672192 (0xFFAF3400)
YUV	82.8490, -40.8446, 80.8164
Hunter-Lab	34.0146, 39.6949, 21.6545

Details

The XYZ color **18.9072, 11.5699, 1.2367** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **14.8200, 17.2595, 43.1075**, and the grayscale version is **8.2595, 8.6896, 9.4630**.

A 20% lighter version of the original color is **41.0798, 28.7516, 6.8745**, and **6.8101, 3.5107, 0.3187** is the 20% darker color. If you saturate the color by 10%, you get **18.9074, 11.5705, 1.2368**, and if you desaturate by 10%, it is **19.6350, 12.8575, 1.9980**.

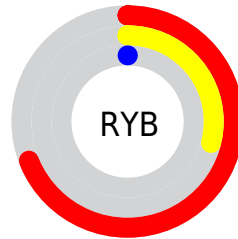
Distribution



Red (69%)

Green (20%)

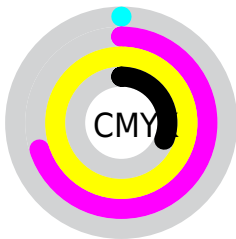
Blue (0%)



Red (69%)

Yellow (29%)

Blue (0%)

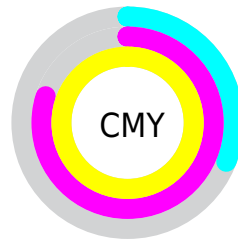


Cyan (0%)

Magenta (70%)

Yellow (100%)

Black (31%)



Cyan (31%)


Magenta (80%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.9072, 11.5699, 1.2367 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 18.9072, 11.5699, 1.2367 by changing the saturation by 10% instead.


 18.9072, 11.5699,
1.2367


 18.9072, 11.5699,
1.2367


 238.8839,
201.5367, 109.0946


 11.7069, 6.4515,
0.0091


 41.0953, 28.7093,
6.8232


 6.6152, 3.1215,
0.0000


 56.8138, 41.4991,
12.2998

 3.2668, 1.1955,
0.0000

 76.1024, 57.6149,
20.1233

 1.2964, 0.0580,
0.0000

 99.3264, 77.4410,
30.7124

 0.1805, 0.0000,
0.0000


 126.8512,
101.3619, 44.4855


 0.0000, 0.0000,
0.0000


 159.0421,


129.7618, 61.8613


 196.2646,
163.0253, 83.2581


 18.9072, 11.5699,
1.2367


 18.9072, 11.5699,
1.2367


 18.9074, 11.5705,
1.2368

 19.6350, 12.8575,
1.9980

 20.6089, 14.4881,
3.3005

 21.8748, 16.4955,
5.3394

 23.4583, 18.9034,
8.2070

 25.3815, 21.7334,
11.9819

■ 27.6648, 25.0054,
16.7335

■ 30.3264, 28.7381,
22.5244

■ 33.3835, 32.9487,
29.4119

■ 36.8521, 37.6540,
37.4489

Harmonies

Analogous

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



23.0190, 11.5699, 6.0005



18.9072, 11.5699, 1.2367



13.2360, 11.5699, 0.0199

Triad

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



18.9072, 11.5699, 1.2367



4.0095, 11.5699, 7.4850



14.1479, 11.5699, 61.6747

Complementary

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



18.9072, 11.5699, 1.2367



14.8200, 17.2595, 43.1075

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.



9.0256, 11.5699, 63.4348



18.9072, 11.5699, 1.2367



4.1182, 11.5699, 22.8211

Square

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



18.9072, 11.5699, 1.2367



5.3099, 11.5699, 1.6227



5.6729, 11.5699, 45.8928



19.7473, 11.5699, 42.0911

Rectangle

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



18.9072, 11.5699, 1.2367



9.7964, 11.5699, 0.0000



5.6729, 11.5699, 45.8928



12.2916, 11.5699, 64.7122

Sweetspot

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



18.9074, 11.5706, 1.2369



54.0489, 51.1010, 39.7543



21.4075, 10.6053, 20.4607



11.5598, 10.7252, 7.8410



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



18.9074, 11.5706, 1.2369



33.6965, 20.3902, 2.1597



26.6366, 27.0290, 3.8133



8.1920, 8.3889, 8.4008



13.5880, 8.3816, 0.9016



0.4262, 0.3296, 0.0412

Inverse Universe

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



14.8200, 17.2595, 43.1075



26.3434, 30.5136, 77.1381



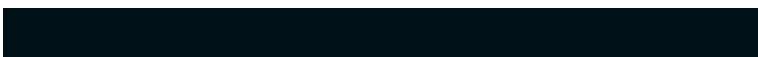
8.4283, 4.4761, 40.9770



8.0323, 8.6640, 10.2017



10.6685, 12.4709, 30.8894



0.3414, 0.4361, 0.8742

Previews

White Background



This preview shows how the XYZ color 18.9072, 11.5699, 1.2367 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 18.9072, 11.5699, 1.2367

Background



This preview shows how black text looks on a background with the XYZ color 18.9072, 11.5699, 1.2367.



This preview shows how white text looks on a background with the XYZ color 18.9072, 11.5699,

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

18.9072, 11.5699, 1.2367

Protanopia

10.6989, 11.8476, 2.3390

Deuteranopia

11.8532, 11.7919, 1.6513



Tritanopia

19.6003, 11.6657, 4.3506

Trichromacy



Original Color

18.9072, 11.5699, 1.2367

Protanomaly

12.6817, 10.8979, 1.7829

Deuteranomaly

13.6384, 10.9705, 1.3987

Tritanomaly

19.3058, 11.6156, 2.5910

Monochromacy



Original Color

18.9072, 11.5699, 1.2367

Achromatopsia

8.2219, 8.6500, 9.4199

Achromatomaly

10.1624, 8.6048, 4.4934

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.9072, 11.5699, 1.2367 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(175, 52, 0)` looks like.

```
.text, #text, p{  
    color:rgb(175, 52, 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(175, 52, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 52, 0) }
```

Border

The CSS property to change the border of an element to XYZ 18.9072, 11.5699, 1.2367 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(175, 52, 0) }
```


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

```
.border{ border-color:rgb(175, 52, 0) }
```

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

Here you see how a box with a 4 pixel rgb(175, 52, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 52, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 52, 0);  
box-shadow:4px 4px 4px 4px rgb(175, 52, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.9072, 11.5699, 1.2367 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 52, 0) }
```

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

```
.background{ background-color: rgb(175, 52,  
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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