

Converting Colors

XYZ(15.1658, 9.3704, 1.0093)

Have a look what the booklet for
XYZ(15.1658, 9.3704, 1.0093)
contains.

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Color

**XYZ(15.1575, 9.3830,
1.0122)**

Conversions

Conversions Part 1	
Format	Color
Hex	9E3000
RGB	158, 48, 0
RGB Percent	62%, 19%, 0%
CMY	0.3804, 0.8117, 1.0000
CMYK	0.00, 0.70, 1.00, 0.38
HSL	18°, 100%, 31%
HSV	18°, 100%, 62%
XYZ	15.1575, 9.3830, 1.0122
YIQ	75.4180, 80.9680, 8.3920

Conversions

Conversions Part 2

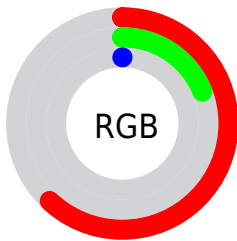
Format	Color
RYB	158, 69, 0
Decimal	10366976
CIELab	36.71, 43.94, 48.83
CIELCh	37, 65.688, 48.017
Yxy	9.3830, 0.5932, 0.3672
Android (android.graphics.Color)	4288557056 (0xFF9E3000)
YUV	75.4180, -37.1811, 72.4244
Hunter-Lab	30.6317, 34.7219, 19.4830

Details

The XYZ color **15.1575, 9.3830, 1.0122** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **11.7467, 13.6190, 34.3571**, and the grayscale version is **6.8191, 7.1742, 7.8127**.

A 20% lighter version of the original color is **34.6699, 24.5690, 6.0470**, and **5.0370, 2.5967, 0.2357** is the 20% darker color. If you saturate the color by 10%, you get **15.1577, 9.3835, 1.0123**, and if you desaturate by 10%, it is **15.7568, 10.4345, 1.6660**.

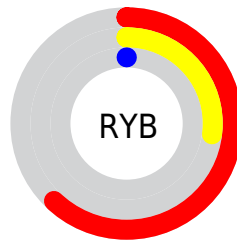
Distribution



Red (62%)

Green (19%)

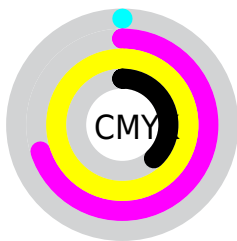
Blue (0%)



Red (62%)

Yellow (27%)

Blue (0%)

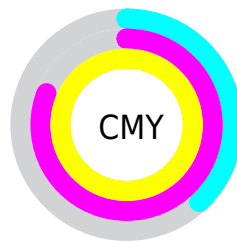


Cyan (0%)

Magenta (70%)

Yellow (100%)

Black (38%)



Cyan (38%)


Magenta (81%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 15.1575, 9.3830, 1.0122 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 15.1575, 9.3830, 1.0122 by changing the saturation by 10% instead.


 15.1575, 9.3830,
1.0122


 15.1575, 9.3830,
1.0122


 217.6871,
186.2099, 104.4143


 9.0170, 4.9918,
0.0000


 34.6986, 24.6283,
6.1019


 4.8095, 2.2425,
0.0000

 48.8300, 36.2513,
11.2244


 2.1695, 0.7430,
0.0000

 66.3557, 51.0536,
18.6234

 0.7266, 0.0000,
0.0000

 87.6412, 69.4197,
28.7174

 0.0000, 0.0000,
0.0000


 113.0517, 91.7340,
41.9249

 142.9526,


118.3809, 58.6645


 177.7093,
149.7447, 79.3548


 15.1575, 9.3830,
1.0122


 15.1575, 9.3830,
1.0122


 15.1577, 9.3835,
1.0123

 15.7568, 10.4345,
1.6660

 16.5463, 11.7522,
2.7346

 17.5645, 13.3632,
4.3855

 18.8308, 15.2853,
6.6900

 20.3624, 17.5348,
9.7087

■ 22.1746, 20.1270,
13.4952

■ 24.2817, 23.0758,
18.0982

■ 26.6966, 26.3946,
23.5621

■ 29.4319, 30.0958,
29.9281

Harmonies

Analogous

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



18.4819, 9.3830, 4.7822



15.1575, 9.3830, 1.0122



10.6226, 9.3830, 0.0000

Triad

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



15.1575, 9.3830, 1.0122



3.2899, 9.3830, 6.2728



11.5311, 9.3830, 49.0806

Complementary

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



15.1575, 9.3830, 1.0122



11.7467, 13.6190, 34.3571

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.



7.4068, 9.3830, 50.8192



15.1575, 9.3830, 1.0122



3.3995, 9.3830, 18.7144

Square

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



15.1575, 9.3830, 1.0122



4.3156, 9.3830, 1.4079



4.6803, 9.3830, 37.1157



15.9924, 9.3830, 33.3536

Rectangle

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



15.1575, 9.3830, 1.0122



7.8824, 9.3830, 0.0000



4.6803, 9.3830, 37.1157



10.0412, 9.3830, 51.5988

Sweetspot

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



15.1577, 9.3836, 1.0123



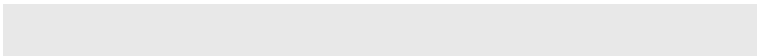
43.8560, 41.5733, 32.3336



16.9477, 8.4080, 15.6534



9.5326, 8.8786, 6.5077



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



15.1577, 9.3836, 1.0123



27.3707, 16.7290, 1.7864



21.6125, 22.2932, 3.1639



6.7892, 6.9585, 6.9710



12.1712, 7.5779, 0.8212



0.2524, 0.2050, 0.0263

Inverse Universe

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



11.7467, 13.6190, 34.3571



21.1493, 24.3665, 62.3320



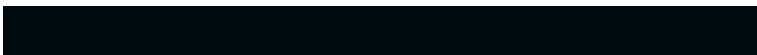
6.6773, 3.4803, 32.6673



6.6516, 7.1690, 8.4399



9.4437, 10.9790, 27.5287



0.2041, 0.2668, 0.5040

Previews

White Background



This preview shows how the XYZ color 15.1575, 9.3830, 1.0122 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 ✓ Pass

Black Background



This preview shows how the XYZ color 15.1575, 9.3830, 1.0122 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 15.1575, 9.3830, 1.0122

Background



This preview shows how black text looks on a background with the XYZ color 15.1575, 9.3830, 1.0122.



This preview shows how white text looks on a background with the XYZ color 15.1575, 9.3830,

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

15.1575, 9.3830, 1.0122

Protanopia

8.7365, 9.6726, 1.9368

Deuteranopia

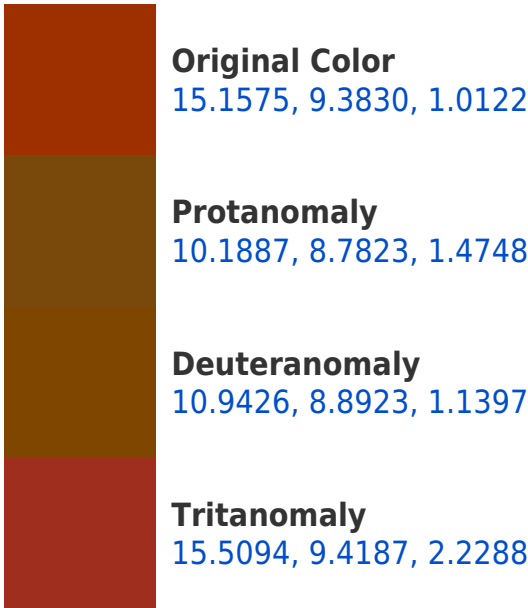
9.5237, 9.5015, 1.3320



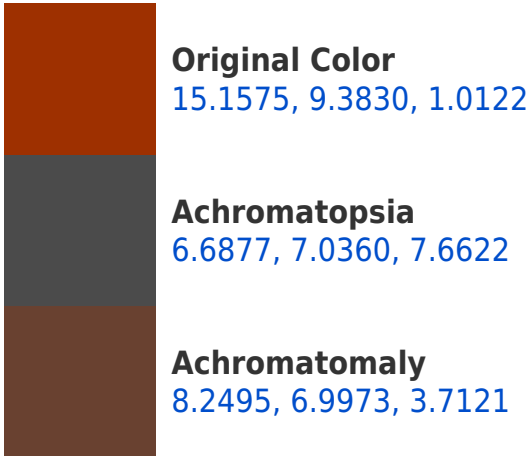
Tritanopia

15.7496, 9.4529, 3.6838

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.1575, 9.3830, 1.0122 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(158, 48, 0)` looks like.

```
.text, #text, p{  
    color:rgb(158, 48, 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(158, 48, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 48, 0) }
```

Border

The CSS property to change the border of an element to XYZ 15.1575, 9.3830, 1.0122 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(158, 48, 0) }
```


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

```
.border{ border-color:rgb(158, 48, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 48, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 48, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 48, 0);  
box-shadow:4px 4px 4px 4px rgb(158, 48, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 15.1575, 9.3830, 1.0122 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 48, 0) }
```

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

```
.background{ background-color: rgb(158, 48,  
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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