

Converting Colors

XYZ(15.3079, 10.0432, 0.6429)

Have a look what the booklet for
XYZ(15.3079, 10.0432, 0.6429)
contains.

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Color

**XYZ(15.3678, 10.0944,
1.1384)**

Conversions

Conversions Part 1

Format	Color
Hex	9D3900
RGB	157, 57, 0
RGB Percent	62%, 22%, 0%
CMY	0.3843, 0.7764, 1.0000
CMYK	0.00, 0.64, 1.00, 0.38
HSL	22°, 100%, 31%
HSV	22°, 100%, 62%
XYZ	15.3678, 10.0944, 1.1384
YIQ	80.4020, 77.8970, 3.4730

Conversions

Conversions Part 2

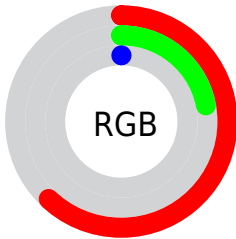
Format	Color
R _Y B	157, 89, 0
Decimal	10303744
CIE Lab	38.01, 39.58, 49.39
CIE LCh	38, 63.296, 51.289
Yxy	10.0944, 0.5777, 0.3795
Android (android.graphics.Color)	4288493824 (0xFF9D3900)
YUV	80.4020, -39.6382, 67.1764
Hunter-Lab	31.7717, 30.7391, 20.1158

Details

The XYZ color **15.3678, 10.0944, 1.1384** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **10.6423, 11.5474, 33.5661**, and the grayscale version is **7.7685, 8.1731, 8.9005**.

A 20% lighter version of the original color is **34.9186, 25.8876, 6.5246**, and **4.9298, 2.5414, 0.2307** is the 20% darker color. If you saturate the color by 10%, you get **15.3680, 10.0949, 1.1385**, and if you desaturate by 10%, it is **16.0034, 11.2196, 1.8007**.

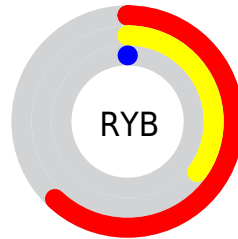
Distribution



Red (62%)

Green (22%)

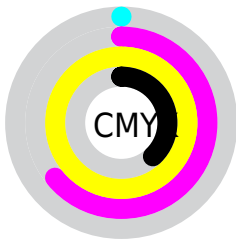
Blue (0%)



Red (62%)

Yellow (35%)

Blue (0%)

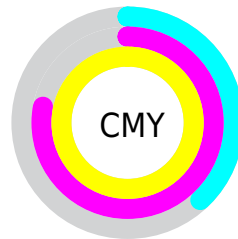


Cyan (0%)

Magenta (64%)

Yellow (100%)

Black (38%)



Cyan (38%)


Magenta (78%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 15.3678, 10.0944, 1.1384 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 15.3678, 10.0944, 1.1384 by changing the saturation by 10% instead.


 15.3678, 10.0944,
1.1384


 15.3678, 10.0944,
1.1384


 218.9263,
191.3445, 107.1049


 9.1659, 5.4616,
0.0000


 35.0635, 25.9729,
6.5126


 4.9075, 2.5206,
0.0000

 49.2881, 37.9874,
11.8384


 2.2273, 0.8869,
0.0000

 66.9175, 53.2312,
19.4816

 0.7571, 0.0000,
0.0000


 88.3173, 72.0888,
29.8605


 0.0000, 0.0000,
0.0000


 113.8527, 94.9445,
43.3937


 143.8891,


122.1828, 60.4998


 178.7918,
154.1880, 81.5974


 15.3678, 10.0944,
1.1384


 15.3678, 10.0944,
1.1384


 15.3680, 10.0949,
1.1385

 16.0034, 11.2196,
1.8007

 16.8114, 12.5776,
2.8658

 17.8282, 14.1913,
4.4995

 19.0713, 16.0749,
6.7710

 20.5558, 18.2414,
9.7397

■ 22.2955, 20.7030,
13.4579

■ 24.3032, 23.4709,
17.9728

■ 26.5905, 26.5558,
23.3280

■ 29.1685, 29.9677,
29.5636

Harmonies

Analogous

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



18.8891, 10.0944, 4.6969



15.3678, 10.0944, 1.1384



10.8291, 10.0944, 0.2077

Triad

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



15.3678, 10.0944, 1.1384



3.7517, 10.0944, 7.9342



12.7254, 10.0944, 47.8908

Complementary

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



15.3678, 10.0944, 1.1384



10.6423, 11.5474, 33.5661

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.



8.4574, 10.0944, 51.3616



15.3678, 10.0944, 1.1384



3.9940, 10.0944, 21.3014

Square

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



15.3678, 10.0944, 1.1384



4.6919, 10.0944, 2.0886



5.4853, 10.0944, 39.3944



17.0879, 10.0944, 31.8095

Rectangle

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



15.3678, 10.0944, 1.1384



8.1426, 10.0944, 0.2423



5.4853, 10.0944, 39.3944



11.2093, 10.0944, 50.8738

Sweetspot

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



15.3680, 10.0950, 1.1386



43.3037, 41.7326, 31.6801



16.3053, 8.1284, 13.2929



9.2099, 8.7460, 6.2464



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



15.3680, 10.0950, 1.1386



27.3554, 17.7446, 1.9833



22.3538, 24.0665, 3.4672



6.8204, 7.0208, 6.9813



12.5144, 8.2645, 0.9356



0.2622, 0.2247, 0.0295

Inverse Universe

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



10.6423, 11.5474, 33.5661



18.8721, 20.3057, 60.0515



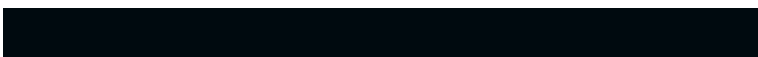
6.4032, 3.0692, 32.1530



6.6191, 7.1040, 8.4290



8.6795, 9.4506, 27.2739



0.1941, 0.2469, 0.5007

Previews

White Background



This preview shows how the XYZ color 15.3678, 10.0944, 1.1384 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 15.3678, 10.0944, 1.1384

Background



This preview shows how black text looks on a background with the XYZ color 15.3678, 10.0944, 1.1384.



This preview shows how white text looks on a background with the XYZ color 15.3678, 10.0944,

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

15.3678, 10.0944, 1.1384

Protanopia

9.3141, 10.3444, 1.9960

Deuteranopia

10.2672, 10.2330, 1.4340



Tritanopia

16.0875, 10.1008, 4.8431

Trichromacy



Original Color

15.3678, 10.0944, 1.1384

Protanomaly

10.8768, 9.7515, 1.5961

Deuteranomaly

11.7220, 9.7780, 1.2695

Tritanomaly

15.7382, 10.0348, 2.7765

Monochromacy



Original Color

15.3678, 10.0944, 1.1384

Achromatopsia

7.6249, 8.0220, 8.7359

Achromatomaly

9.0992, 8.0619, 4.2085

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.3678, 10.0944, 1.1384 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(157, 57, 0)` looks like.

```
.text, #text, p{  
    color:rgb(157, 57, 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(157, 57, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 57, 0) }
```

Border

The CSS property to change the border of an element to XYZ 15.3678, 10.0944, 1.1384 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(157, 57, 0) }
```


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

```
.border{ border-color:rgb(157, 57, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 57, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 57, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 57, 0);  
box-shadow:4px 4px 4px 4px rgb(157, 57, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 15.3678, 10.0944, 1.1384 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 57, 0) }
```

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

```
.background{ background-color: rgb(157, 57,  
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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