

Converting Colors

XYZ(15.0950, 9.8102, 1.6950)

Have a look what the booklet for
XYZ(15.0950, 9.8102, 1.6950)
contains.

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Color

**XYZ(15.0013, 9.7480,
1.7070)**

Conversions

Conversions Part 1

Format	Color
Hex	9B3713
RGB	155, 55, 19
RGB Percent	61%, 22%, 7%
CMY	0.3922, 0.7843, 0.9255
CMYK	0.00, 0.65, 0.88, 0.39
HSL	16°, 78%, 34%
HSV	16°, 88%, 61%
XYZ	15.0013, 9.7480, 1.7070
YIQ	80.7960, 71.1560, 10.0040

Conversions

Conversions Part 2

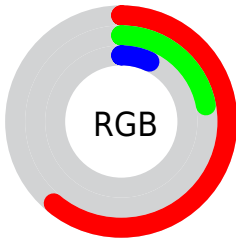
Format	Color
R_{YB}	155, 68, 19
Decimal	10172179
CIE Lab	37.39, 40.10, 41.99
CIE LCh	37, 58.059, 46.322
Yxy	9.7480, 0.5670, 0.3685
Android (android.graphics.Color)	4288362259 (0xFF9B3713)
YUV	80.7960, -30.4654, 65.0769
Hunter-Lab	31.2218, 31.1267, 18.6137

Details

The XYZ color **15.0013, 9.7480, 1.7070** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **12.7810, 15.6971, 33.3663**, and the grayscale version is **7.8297, 8.2374, 8.9706**.

A 20% lighter version of the original color is **34.4563, 25.3003, 8.2217**, and **4.8239, 2.4868, 0.2258** is the 20% darker color. If you saturate the color by 10%, you get **14.4229, 8.7487, 1.0290**, and if you desaturate by 10%, it is **15.7853, 11.0306, 2.8487**.

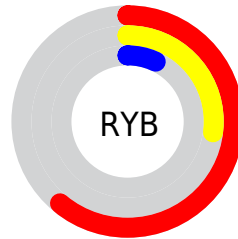
Distribution



Red (61%)

Green (22%)

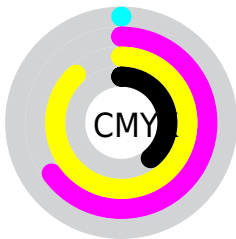
Blue (7%)



Red (61%)

Yellow (27%)

Blue (7%)

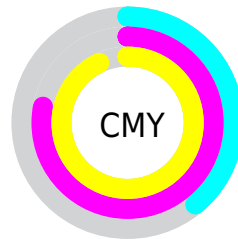


Cyan (0%)

Magenta (65%)

Yellow (88%)

Black (39%)



Cyan (39%)


Magenta (78%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.0013, 9.7480, 1.7070 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 15.0013, 9.7480, 1.7070 by changing the saturation by 10% instead.


 15.0013, 9.7480,
1.7070


 15.0013, 9.7480,
1.7070


216.7623,
188.8639, 117.6471


 8.9066, 5.2322,
0.3655


 34.4271, 25.3204,
8.2231


 4.7369, 2.3841,
0.0000

 48.4889, 37.1458,
14.3502


 2.1269, 0.8177,
0.0000

 65.9372, 52.1766,
22.9480

 0.7038, 0.0000,
0.0000


 87.1372, 70.7970,
34.4351


 0.0000, 0.0000,
0.0000

 112.4544, 93.3916,
49.2300


 142.2541,


120.3447, 67.7513


 176.9016,
152.0407, 90.4175


 15.0013, 9.7480,
1.7070


 15.0013, 9.7480,
1.7070


 14.4229, 8.7487,
1.0290


 15.7853, 11.0306,
2.8487

 14.3116, 8.5569,
0.8973

 16.8034, 12.6192,
4.5679

 18.0749, 14.5334,
6.9301

 19.6169, 16.7910,
9.9919

 21.4448, 19.4081,
13.8036

■ 23.5729, 22.4000,
18.4107

■ 26.0144, 25.7808,
23.8554

■ 28.7817, 29.5642,
30.1765

■ 31.8865, 33.7630,
37.4105

Harmonies

Analogous

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



17.7567, 9.7480, 5.9110



15.0013, 9.7480, 1.7070



11.0245, 9.7480, 0.5626

Triad

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



15.0013, 9.7480, 1.7070



3.9851, 9.7480, 6.5377



11.3791, 9.7480, 43.9114

Complementary

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



15.0013, 9.7480, 1.7070



12.7810, 15.6971, 33.3663

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.



7.7038, 9.7480, 44.5322



15.0013, 9.7480, 1.7070



4.0330, 9.7480, 17.3179

Square

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



15.0013, 9.7480, 1.7070



5.0624, 9.7480, 1.9082



5.2169, 9.7480, 32.7736



15.3189, 9.7480, 31.4040

Rectangle

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



15.0013, 9.7480, 1.7070



8.5143, 9.7480, 0.4722



5.2169, 9.7480, 32.7736



10.0590, 9.7480, 45.7066

Sweetspot

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



15.0015, 9.7486, 1.7072



42.7257, 40.8253, 34.0925



17.2015, 8.8148, 18.8839



9.3751, 8.8280, 7.0673



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.



15.0015, 9.7486, 1.7072



25.4969, 15.0567, 1.5624



20.4723, 20.6902, 3.5308



6.3352, 6.4755, 6.5218



11.5231, 6.9285, 0.7300



0.1990, 0.1570, 0.0198

Inverse Universe

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



12.7810, 15.6971, 33.3663



21.2037, 25.4544, 59.3319



7.4581, 5.0513, 31.5919



6.2462, 6.7497, 7.9026



9.6141, 11.6249, 26.6448



0.1728, 0.2319, 0.4080

Previews

White Background



This preview shows how the XYZ color 15.0013, 9.7480, 1.7070 looks on a white background.

Color Contrast Check

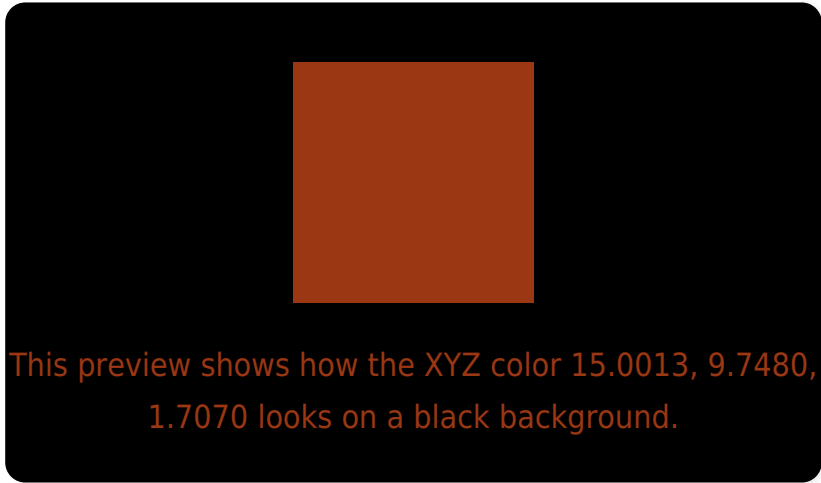
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



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 15.0013, 9.7480, 1.7070

Background



This preview shows how black text looks on a background with the XYZ color 15.0013, 9.7480, 1.7070.



This preview shows how white text looks on a background with the XYZ color 15.0013, 9.7480,

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

15.0013, 9.7480, 1.7070

Protanopia

9.0257, 9.9332, 2.4785

Deuteranopia

9.8524, 9.7854, 1.3695



Tritanopia

15.6041, 9.7902, 4.5573

Trichromacy



Original Color

15.0013, 9.7480, 1.7070

Protanomaly

10.5645, 9.3668, 2.1153

Deuteranomaly

11.3230, 9.3696, 1.4127

Tritanomaly

15.3836, 9.7742, 3.1736

Monochromacy



Original Color

15.0013, 9.7480, 1.7070

Achromatopsia

7.8210, 8.2283, 8.9606

Achromatomaly

9.2654, 8.1284, 5.0836

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.0013, 9.7480, 1.7070 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(155, 55, 19)` looks like.

```
.text, #text, p{  
    color:rgb(155, 55, 19)  
}
```

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(155, 55, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 55, 19) }
```

Border

The CSS property to change the border of an element to XYZ 15.0013, 9.7480, 1.7070 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(155, 55, 19) }
```


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

```
.border{ border-color:rgb(155, 55, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 55, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 55, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 55, 19);  
box-shadow:4px 4px 4px 4px rgb(155, 55,  
19) }
```

Background

The CSS property to change the background color of an element to XYZ 15.0013, 9.7480, 1.7070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 55, 19) }
```

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

```
.background{ background-color: rgb(155, 55,  
19) }
```

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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