

Converting Colors

XYZ(14.9740, 8.9502, 0.0000)

Have a look what the booklet for
XYZ(14.9740, 8.9502, 0.0000)
contains.

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Color

**XYZ(15.1260, 9.0269,
0.9451)**

Conversions

Conversions Part 1

Format	Color
Hex	9F2A00
RGB	159, 42, 0
RGB Percent	62%, 16%, 0%
CMY	0.3765, 0.8353, 1.0000
CMYK	0.00, 0.74, 1.00, 0.38
HSL	16°, 100%, 31%
HSV	16°, 100%, 62%
XYZ	15.1260, 9.0269, 0.9451
YIQ	72.1950, 83.2140, 11.7420

Conversions

Conversions Part 2

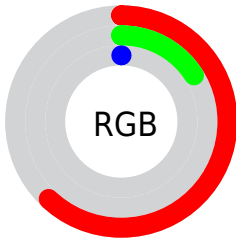
Format	Color
RYB	159, 57, 0
Decimal	10430976
CIELab	36.04, 46.66, 48.61
CIElCh	36, 67.384, 46.173
Yxy	9.0269, 0.6027, 0.3597
Android (android.graphics.Color)	4288621056 (0xFF9F2A00)
YUV	72.1950, -35.5921, 76.1280
Hunter-Lab	30.0448, 37.2871, 19.1663

Details

The XYZ color **15.1260, 9.0269, 0.9451** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **12.6180, 15.2233, 35.0738**, and the grayscale version is **6.2433, 6.5684, 7.1530**.

A 20% lighter version of the original color is **34.5992, 23.9769, 5.9364**, and **5.0370, 2.5967, 0.2357** is the 20% darker color. If you saturate the color by 10%, you get **15.1262, 9.0274, 0.9452**, and if you desaturate by 10%, it is **15.6963, 10.0192, 1.5929**.

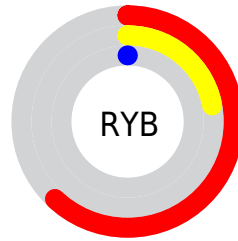
Distribution



Red (62%)

Green (16%)

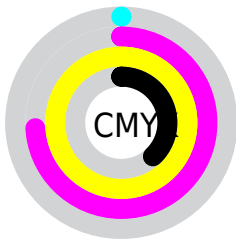
Blue (0%)



Red (62%)

Yellow (22%)

Blue (0%)

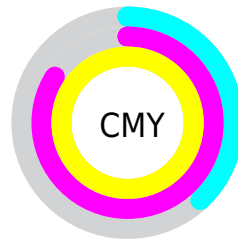


Cyan (0%)

Magenta (74%)

Yellow (100%)

Black (38%)



Cyan (38%)


Magenta (84%)

Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 15.1260, 9.0269, 0.9451 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 15.1260, 9.0269, 0.9451 by changing the saturation by 10% instead.


 15.1260, 9.0269,
0.9451


 15.1260, 9.0269,
0.9451


 217.5009,
183.5784, 102.9146


 8.9948, 4.7587,
0.0000


 34.6439, 23.9483,
5.8778


 4.7948, 2.1064,
0.0000

 48.7613, 35.3704,
10.8872


 2.1609, 0.6682,
0.0000

 66.2714, 49.9459,
18.1500

 0.7220, 0.0000,
0.0000


 87.5397, 68.0592,
28.0848


 0.0000, 0.0000,
0.0000


 112.9314, 90.0947,
41.1101

 142.8119,


116.4368, 57.6445


 177.5466,
147.4699, 78.1064


 15.1260, 9.0269,
0.9451


 15.1260, 9.0269,
0.9451


 15.1262, 9.0274,
0.9452

 15.6963, 10.0192,
1.5929

 16.4697, 11.3016,
2.6657

 17.4865, 12.9044,
4.3331

 18.7682, 14.8489,
6.6679

 20.3331, 17.1540,
9.7322

■ 22.1983, 19.8376,
13.5810

■ 24.3790, 22.9159,
18.2638

■ 26.8897, 26.4045,
23.8262

■ 29.7438, 30.3179,
30.3103

Harmonies

Analogous

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



18.3557, 9.0269, 4.8607



15.1260, 9.0269, 0.9451



10.5638, 9.0269, 0.0000

Triad

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



15.1260, 9.0269, 0.9451



3.0485, 9.0269, 5.4291



10.9189, 9.0269, 50.1309

Complementary

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



15.1260, 9.0269, 0.9451



12.6180, 15.2233, 35.0738

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.



6.8612, 9.0269, 50.8293



15.1260, 9.0269, 0.9451



3.0898, 9.0269, 17.3777

Square

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



15.1260, 9.0269, 0.9451



4.1229, 9.0269, 1.0863



4.2617, 9.0269, 36.0264



15.4550, 9.0269, 34.5240

Rectangle

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



15.1260, 9.0269, 0.9451



7.7749, 9.0269, 0.0000



4.2617, 9.0269, 36.0264



9.4384, 9.0269, 52.3801

Sweetspot

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



15.1262, 9.0274, 0.9452



43.4228, 40.7069, 32.1892



17.6427, 8.7087, 18.2824



9.4273, 8.6680, 6.4726



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.



15.1262, 9.0274, 0.9452



26.9526, 15.8927, 1.6470



20.9244, 20.6239, 2.8780



6.7685, 6.9171, 6.9640



11.9776, 7.1908, 0.7567



0.2458, 0.1919, 0.0241

Inverse Universe

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



12.6180, 15.2233, 35.0738



22.4320, 26.9319, 62.7595



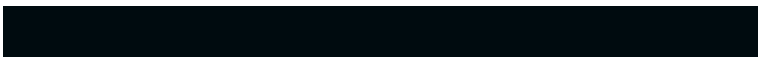
7.0083, 4.0039, 33.2039



6.6735, 7.2127, 8.4471



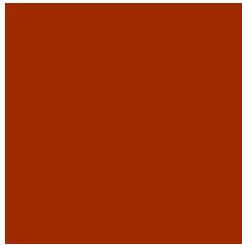
10.0015, 12.0946, 27.7146



0.2110, 0.2806, 0.5063

Previews

White Background



This preview shows how the XYZ color 15.1260, 9.0269, 0.9451 looks on a white background.

Color Contrast Check

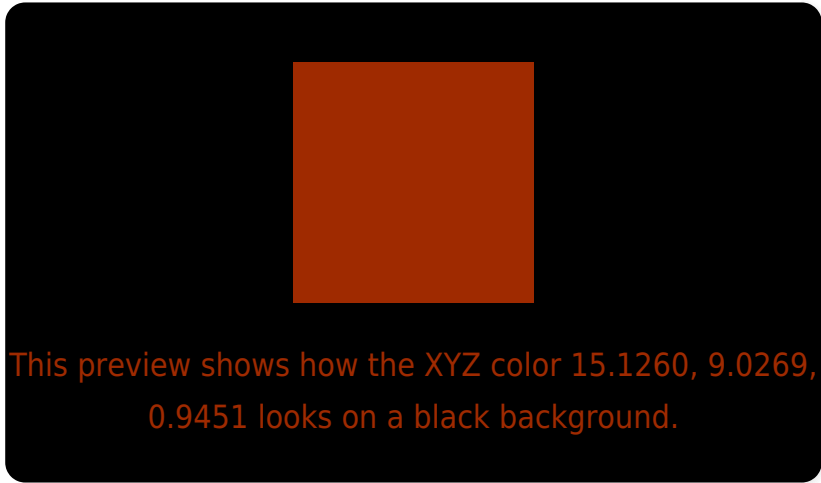
Large Text (above 18pt) WCAG AA ✓ Pass

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

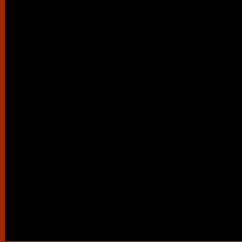
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.1260, 9.0269, 0.9451

Background



This preview shows how black text looks on a background with the XYZ color 15.1260, 9.0269, 0.9451.



This preview shows how white text looks on a background with the XYZ color 15.1260, 9.0269,

0.9451.

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

15.1260, 9.0269, 0.9451

Protanopia

8.3667, 9.2406, 1.9149

Deuteranopia

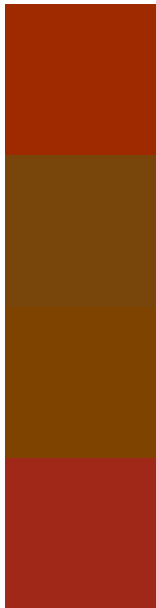
9.3240, 9.2858, 1.3009



Tritanopia

15.6057, 9.0778, 2.9372

Trichromacy



Original Color

15.1260, 9.0269, 0.9451

Protanomaly

9.9963, 8.3975, 1.4106

Deuteranomaly

10.7596, 8.5263, 1.0787

Tritanomaly

15.4315, 9.0614, 1.8554

Monochromacy



Original Color

15.1260, 9.0269, 0.9451

Achromatopsia

6.1596, 6.4803, 7.0571

Achromatomaly

7.8708, 6.4778, 3.4203

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.1260, 9.0269, 0.9451 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(159, 42, 0)` looks like.

```
.text, #text, p{  
    color:rgb(159, 42, 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(159, 42, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 42, 0) }
```

Border

The CSS property to change the border of an element to XYZ 15.1260, 9.0269, 0.9451 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(159, 42, 0) }
```


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

```
.border{ border-color:rgb(159, 42, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 42, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 42, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 42, 0);  
box-shadow:4px 4px 4px 4px rgb(159, 42, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 15.1260, 9.0269, 0.9451 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 42, 0) }
```

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

```
.background{ background-color: rgb(159, 42,  
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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