

Converting Colors

XYZ(15.8416, 9.2003, 0.9416)

Have a look what the booklet for
XYZ(15.8416, 9.2003, 0.9416)
contains.

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Color

**XYZ(15.7974, 9.1728,
0.9379)**

Conversions

Conversions Part 1

Format	Color
Hex	A32600
RGB	163, 38, 0
RGB Percent	64%, 15%, 0%
CMY	0.3608, 0.8509, 1.0000
CMYK	0.00, 0.77, 1.00, 0.36
HSL	14°, 100%, 32%
HSV	14°, 100%, 64%
XYZ	15.7974, 9.1728, 0.9379
YIQ	71.0430, 86.6980, 14.6820

Conversions

Conversions Part 2

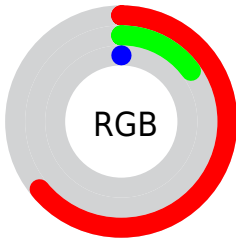
Format	Color
RYB	163, 50, 0
Decimal	10692096
CIELab	36.31, 49.41, 49.20
CIELCh	36, 69.727, 44.875
Yxy	9.1728, 0.6097, 0.3541
Android (android.graphics.Color)	4288882176 (0xFFA32600)
YUV	71.0430, -35.0242, 80.6463
Hunter-Lab	30.2866, 40.1034, 19.3646

Details

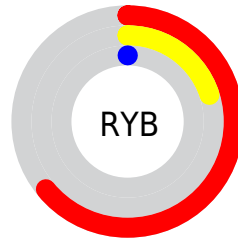
The XYZ color **15.7974, 9.1728, 0.9379** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **13.9432, 17.3090, 37.2562**, and the grayscale version is **6.0444, 6.3591, 6.9251**.

A 20% lighter version of the original color is **35.8541, 24.2277, 5.8043**, and **5.4795, 2.8248, 0.2564** is the 20% darker color. If you saturate the color by 10%, you get **15.7976, 9.1733, 0.9380**, and if you desaturate by 10%, it is **16.3624, 10.1498, 1.5988**.

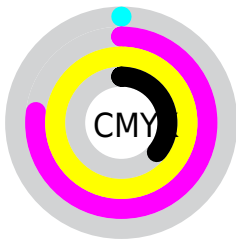
Distribution



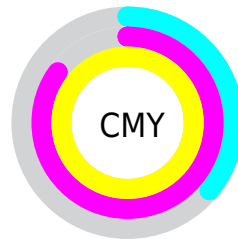
- Red (64%)
- Green (15%)
- Blue (0%)



- Red (64%)
- Yellow (20%)
- Blue (0%)



- Cyan (0%)
- Magenta (77%)
- Yellow (100%)
- Black (36%)




- Cyan (36%)
- Magenta (85%)
- Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 15.7974, 9.1728, 0.9379 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 15.7974, 9.1728, 0.9379 by changing the saturation by 10% instead.


 15.7974, 9.1728,
0.9379


 15.7974, 9.1728,
0.9379


 221.4372,
184.6618, 102.7527


 9.4708, 4.8541,
0.0000


 35.8064, 24.2275,
5.8538


 5.1091, 2.1619,
0.0000

 50.2196, 35.7323,
10.8510


 2.3468, 0.6991,
0.0000

 68.0590, 50.4012,
18.0991

 0.8185, 0.0000,
0.0000

 89.6900, 68.6187,
28.0167

 0.0000, 0.0000,
0.0000


 115.4780, 90.7691,
41.0223


 145.7883,


117.2368, 57.5345


 180.9862,
148.4062, 77.9717


 15.7974, 9.1728,
0.9379


 15.7974, 9.1728,
0.9379


 15.7976, 9.1733,
0.9380

 16.3624, 10.1498,
1.5988

 17.1511, 11.4500,
2.7158

 18.2070, 13.1086,
4.4653

 19.5543, 15.1509,
6.9253

 21.2140, 17.5997,
10.1623

■ 23.2049, 20.4757,
14.2351

■ 25.5446, 23.7986,
19.1968

■ 28.2491, 27.5865,
25.0961

■ 31.3336, 31.8566,
31.9781

Harmonies

Analogous

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



19.1039, 9.1728, 5.1435



15.7974, 9.1728, 0.9379



11.0036, 9.1728, 0.0000

Triad

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



15.7974, 9.1728, 0.9379



3.0096, 9.1728, 5.0810



10.9638, 9.1728, 53.2650

Complementary

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



15.7974, 9.1728, 0.9379



13.9432, 17.3090, 37.2562

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.



6.7739, 9.1728, 53.1852



15.7974, 9.1728, 0.9379



3.0051, 9.1728, 17.1918

Square

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



15.7974, 9.1728, 0.9379



4.1665, 9.1728, 0.9229



4.1513, 9.1728, 36.8646



15.7604, 9.1728, 37.0355

Rectangle

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



15.7974, 9.1728, 0.9379



8.0491, 9.1728, 0.0000



4.1513, 9.1728, 36.8646



9.4240, 9.1728, 55.4067

Sweetspot

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



15.7976, 9.1734, 0.9380



45.4985, 42.2688, 33.8420



18.9796, 9.3367, 21.1147



9.8270, 8.9389, 6.7637



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



15.7976, 9.1734, 0.9380



28.1638, 16.1715, 1.6370



21.4441, 20.4663, 2.8202



7.2016, 7.3416, 7.4176



12.3078, 7.1896, 0.7390



0.2918, 0.2175, 0.0266

Inverse Universe

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



13.9432, 17.3090, 37.2562



24.8120, 30.6807, 66.6704



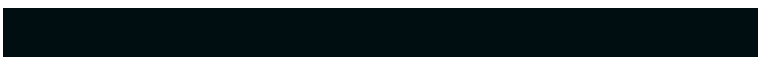
7.5950, 4.6127, 35.1401



7.1355, 7.7299, 9.0190



10.8722, 13.5238, 28.9671



0.2608, 0.3489, 0.6195

Previews

White Background



This preview shows how the XYZ color 15.7974, 9.1728, 0.9379 looks on a white background.

Color Contrast Check

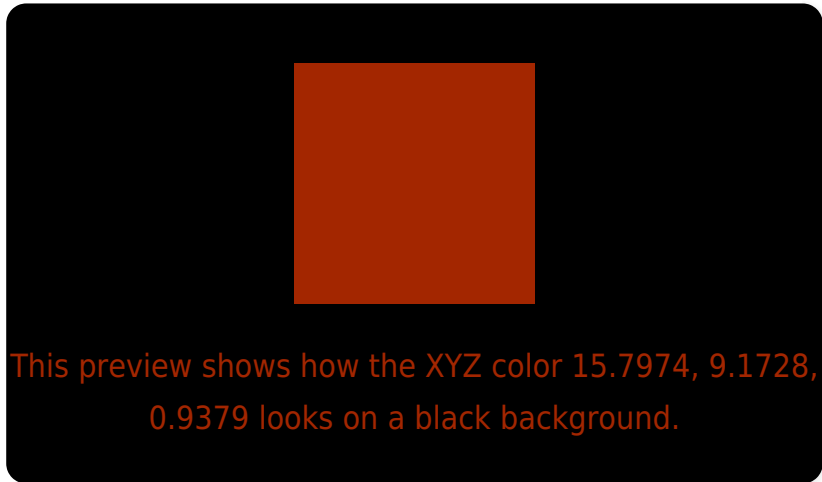
Large Text (above 18pt) WCAG AA ✓ Pass

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

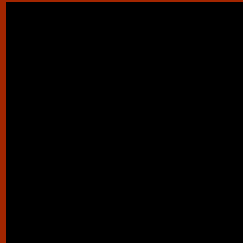
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.7974, 9.1728, 0.9379

Background



This preview shows how black text looks on a background with the XYZ color 15.7974, 9.1728, 0.9379.



This preview shows how white text looks on a background with the XYZ color 15.7974, 9.1728,

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

15.7974, 9.1728, 0.9379

Protanopia

8.5627, 9.4601, 1.9908

Deuteranopia

9.5237, 9.5015, 1.3320



Tritanopia

16.0536, 9.1757, 2.5940

Trichromacy



Original Color

15.7974, 9.1728, 0.9379

Protanomaly

10.2205, 8.4204, 1.4344

Deuteranomaly

11.0604, 8.6814, 1.0927

Tritanomaly

15.9205, 9.1715, 1.7418

Monochromacy



Original Color

15.7974, 9.1728, 0.9379

Achromatopsia

5.9891, 6.3010, 6.8618

Achromatomaly

7.7465, 6.2604, 3.2827

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.7974, 9.1728, 0.9379 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(163, 38, 0)` looks like.

```
.text, #text, p{  
    color:rgb(163, 38, 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(163, 38, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 38, 0) }
```

Border

The CSS property to change the border of an element to XYZ 15.7974, 9.1728, 0.9379 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(163, 38, 0) }
```


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

```
.border{ border-color:rgb(163, 38, 0) }
```

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

Here you see how a box with a 4 pixel rgb(163, 38, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 38, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 38, 0);  
box-shadow:4px 4px 4px 4px rgb(163, 38, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 15.7974, 9.1728, 0.9379 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 38, 0) }
```

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

```
.background{ background-color: rgb(163, 38,  
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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