

Converting Colors

XYZ(16.5026, 9.7381, 1.0099)

Have a look what the booklet for
XYZ(16.5026, 9.7381, 1.0099)
contains.

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Color

**XYZ(16.5538, 9.7629,
1.0119)**

Conversions

Conversions Part 1

Format	Color
Hex	A62A00
RGB	166, 42, 0
RGB Percent	65%, 16%, 0%
CMY	0.3490, 0.8353, 1.0000
CMYK	0.00, 0.75, 1.00, 0.35
HSL	15°, 100%, 33%
HSV	15°, 100%, 65%
XYZ	16.5538, 9.7629, 1.0119
YIQ	74.2880, 87.3860, 13.2260

Conversions

Conversions Part 2

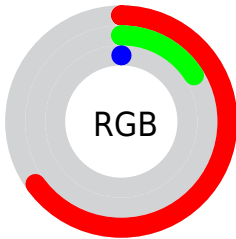
Format	Color
R _Y B	166, 56, 0
Decimal	10889728
CIE Lab	37.41, 49.00, 50.04
CIE LCh	37, 70.035, 45.606
Yxy	9.7629, 0.6057, 0.3572
Android (android.graphics.Color)	4289079808 (0xFFA62A00)
YUV	74.2880, -36.6240, 80.4314
Hunter-Lab	31.2456, 39.8886, 19.9518

Details

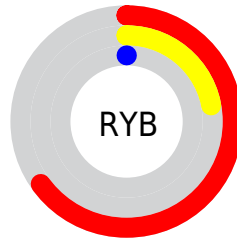
The XYZ color **16.5538, 9.7629, 1.0119** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **14.0892, 17.1659, 38.6468**, and the grayscale version is **6.6132, 6.9576, 7.5768**.

A 20% lighter version of the original color is **37.1853, 25.4464, 6.0837**, and **5.8257, 3.0033, 0.2726** is the 20% darker color. If you saturate the color by 10%, you get **16.5540, 9.7635, 1.0120**, and if you desaturate by 10%, it is **17.1620, 10.8226, 1.6985**.

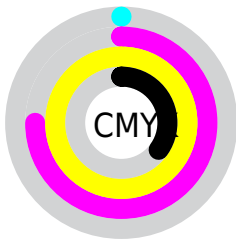
Distribution



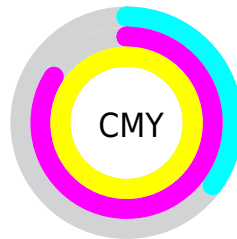
- Red (65%)
- Green (16%)
- Blue (0%)



- Red (65%)
- Yellow (22%)
- Blue (0%)



- Cyan (0%)
- Magenta (75%)
- Yellow (100%)
- Black (35%)





- Cyan (35%)
- Magenta (84%)
- Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 16.5538, 9.7629, 1.0119 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 16.5538, 9.7629, 1.0119 by changing the saturation by 10% instead.


 16.5538, 9.7629,
1.0119


 16.5538, 9.7629,
1.0119


 225.7945,
188.9714, 104.4077


 10.0102, 5.2420,
0.0000


 37.1067, 25.3486,
6.1009


 5.4680, 2.3900,
0.0000

 51.8468, 37.1822,
11.2229


 2.5620, 0.8207,
0.0000

 70.0497, 52.2222,
18.6213

 0.9266, 0.0000,
0.0000

 92.0808, 70.8529,
28.7146


 0.0000, 0.0000,
0.0000


 118.3055, 93.4588,
41.9213


 149.0891,


120.4242, 58.6600


 184.7970,
152.1336, 79.3493


 16.5538, 9.7629,
1.0119


 16.5538, 9.7629,
1.0119


 16.5540, 9.7635,
1.0120

 17.1620, 10.8226,
1.6985

 17.9988, 12.2093,
2.8615

 19.1080, 13.9572,
4.6819

 20.5139, 16.0911,
7.2409

 22.2378, 18.6329,
10.6080

■ 24.2986, 21.6032,
14.8444

■ 26.7139, 25.0210,
20.0054

■ 29.5001, 28.9040,
26.1419

■ 32.6722, 33.2690,
33.3007

Harmonies

Analogous

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



20.0583, 9.7629, 5.3496



16.5538, 9.7629, 1.0119



11.5477, 9.7629, 0.0000

Triad

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



16.5538, 9.7629, 1.0119



3.2564, 9.7629, 5.6692



11.7490, 9.7629, 55.2743

Complementary

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



16.5538, 9.7629, 1.0119



14.0892, 17.1659, 38.6468

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.



7.3294, 9.7629, 55.6737



16.5538, 9.7629, 1.0119



3.2795, 9.7629, 18.5803

Square

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



16.5538, 9.7629, 1.0119



4.4484, 9.7629, 1.0894



4.5264, 9.7629, 39.0820



16.7408, 9.7629, 38.2244

Rectangle

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



16.5538, 9.7629, 1.0119



8.4765, 9.7629, 0.0000



4.5264, 9.7629, 39.0820



10.1314, 9.7629, 57.6427

Sweetspot

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



16.5540, 9.7635, 1.0120



48.2220, 45.0435, 35.7405



19.3955, 9.5748, 20.0606



10.3788, 9.4986, 7.1099



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



16.5540, 9.7635, 1.0120



29.9002, 17.4318, 1.7888



22.9961, 22.6477, 3.1594



7.6797, 7.8394, 7.8977



12.8697, 7.6366, 0.7957



0.3527, 0.2650, 0.0326

Inverse Universe

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



14.0892, 17.1659, 38.6468



25.3941, 30.8012, 70.0821



7.6932, 4.3738, 36.5147



7.5844, 8.2058, 9.6025



10.9643, 13.3887, 29.9819



0.3041, 0.4003, 0.7419

Previews

White Background



This preview shows how the XYZ color 16.5538, 9.7629, 1.0119 looks on a white background.

Color Contrast Check

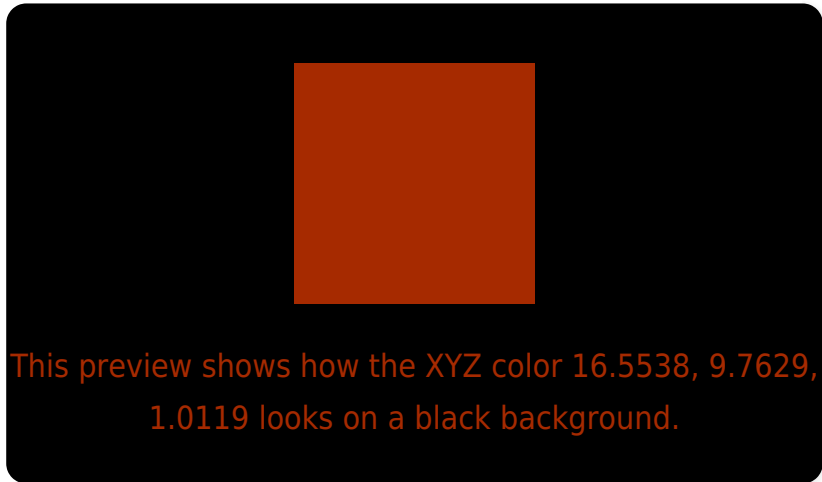
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.5538, 9.7629, 1.0119

Background



This preview shows how black text looks on a background with the XYZ color 16.5538, 9.7629, 1.0119.



This preview shows how white text looks on a background with the XYZ color 16.5538, 9.7629,

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

16.5538, 9.7629, 1.0119

Protanopia

9.1405, 10.1260, 2.0889

Deuteranopia

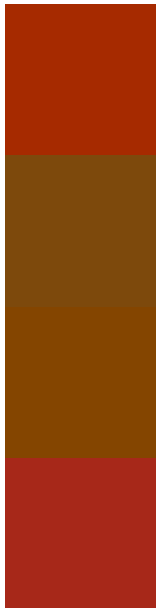
10.0586, 10.0077, 1.4015



Tritanopia

17.0449, 9.8197, 3.0045

Trichromacy



Original Color

16.5538, 9.7629, 1.0119

Protanomaly

10.9064, 9.1516, 1.5394

Deuteranomaly

11.6438, 9.1618, 1.1547

Tritanomaly

16.8706, 9.8033, 1.9227

Monochromacy



Original Color

16.5538, 9.7629, 1.0119

Achromatopsia

6.5089, 6.8478, 7.4573

Achromatomaly

8.2991, 6.7763, 3.5599

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.5538, 9.7629, 1.0119 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(166, 42, 0)` looks like.

```
.text, #text, p{  
    color:rgb(166, 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(166, 42, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 42, 0) }
```

Border

The CSS property to change the border of an element to XYZ 16.5538, 9.7629, 1.0119 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(166, 42, 0) }
```


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

```
.border{ border-color:rgb(166, 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(166, 42, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 42, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 42, 0);  
box-shadow:4px 4px 4px 4px rgb(166, 42, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.5538, 9.7629, 1.0119 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 42, 0) }
```

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

```
.background{ background-color: rgb(166, 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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