

Converting Colors

XYZ(16.8189, 9.5729, 0.9655)

Have a look what the booklet for
XYZ(16.8189, 9.5729, 0.9655)
contains.

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Color

**XYZ(16.7495, 9.5269,
0.9561)**

Conversions

Conversions Part 1

Format	Color
Hex	A82300
RGB	168, 35, 0
RGB Percent	66%, 14%, 0%
CMY	0.3412, 0.8627, 1.0000
CMYK	0.00, 0.79, 1.00, 0.34
HSL	13°, 100%, 33%
HSV	13°, 100%, 66%
XYZ	16.7495, 9.5269, 0.9561
YIQ	70.7770, 90.5030, 17.3110

Conversions

Conversions Part 2

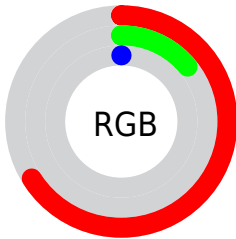
Format	Color
R_{YB}	168, 44, 0
Decimal	11019008
CIE _{Lab}	36.98, 51.96, 50.08
CIE _{LCh}	37, 72.169, 43.945
Yxy	9.5269, 0.6151, 0.3498
Android (android.graphics.Color)	4289209088 (0xFFA82300)
YUV	70.7770, -34.8931, 85.2646
Hunter-Lab	30.8657, 42.8495, 19.7694

Details

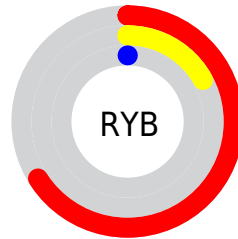
The XYZ color **16.7495, 9.5269, 0.9561** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **15.4541, 19.5995, 40.0141**, and the grayscale version is **5.9987, 6.3111, 6.8728**.

A 20% lighter version of the original color is **37.3797, 24.8822, 5.9646**, and **5.9439, 3.0642, 0.2782** is the 20% darker color. If you saturate the color by 10%, you get **16.7496, 9.5274, 0.9562**, and if you desaturate by 10%, it is **17.3176, 10.5040, 1.6369**.

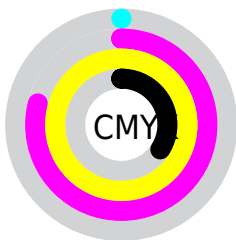
Distribution



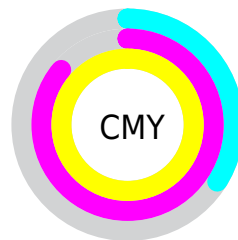
- Red (66%)
- Green (14%)
- Blue (0%)



- Red (66%)
- Yellow (17%)
- Blue (0%)



- Cyan (0%)
- Magenta (79%)
- Yellow (100%)
- Black (34%)




- Cyan (34%)
- Magenta (86%)
- Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 16.7495, 9.5269, 0.9561 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 16.7495, 9.5269, 0.9561 by changing the saturation by 10% instead.


 16.7495, 9.5269,
0.9561

 16.7495, 9.5269,
0.9561


 226.9092,
187.2613, 103.1623


 10.1502, 5.0864,
0.0000


 37.4416, 24.9018,
5.9146


 5.5617, 2.2981,
0.0000

 52.2652, 36.6049,
10.9426


 2.6186, 0.7727,
0.0000

 70.5609, 51.4978,
18.2279

 0.9554, 0.0000,
0.0000

 92.6941, 69.9648,
28.1890

 0.0000, 0.0000,
0.0000

 119.0302, 92.3902,
41.2445

 149.9345,


119.1585, 57.8128


 185.7724,
150.6541, 78.3126


 16.7495, 9.5269,
0.9561


 16.7495, 9.5269,
0.9561


 16.7496, 9.5274,
0.9562

 17.3176, 10.5040,
1.6369

 18.1328, 11.8409,
2.8132

 19.2426, 13.5782,
4.6699

 20.6743, 15.7459,
7.2916

 22.4516, 18.3708,
10.7504

■ 24.5961, 21.4775,
15.1102

■ 27.1275, 25.0888,
20.4285

■ 30.0639, 29.2260,
26.7580

■ 33.4224, 33.9093,
34.1476

Harmonies

Analogous

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



20.2038, 9.5269, 5.5046



16.7495, 9.5269, 0.9561



11.6429, 9.5269, 0.0000

Triad

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



16.7495, 9.5269, 0.9561



3.0568, 9.5269, 4.9509



11.2854, 9.5269, 57.2093

Complementary

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



16.7495, 9.5269, 0.9561



15.4541, 19.5995, 40.0141

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.



6.8822, 9.5269, 56.4807



16.7495, 9.5269, 0.9561



3.0173, 9.5269, 17.4979

Square

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



16.7495, 9.5269, 0.9561



4.3084, 9.5269, 0.8247



4.1736, 9.5269, 38.5002



16.4148, 9.5269, 40.0558

Rectangle

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



16.7495, 9.5269, 0.9561



8.4772, 9.5269, 0.0000



4.1736, 9.5269, 38.5002



9.6586, 9.5269, 59.3146

Sweetspot

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



16.7497, 9.5275, 0.9562



48.9548, 45.1416, 36.4913



20.4794, 10.0572, 23.5626



10.2510, 9.2431, 7.0673



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.



16.7497, 9.5275, 0.9562



30.2691, 17.0373, 1.6932



22.5798, 21.1877, 2.8996



7.6531, 7.7863, 7.8888



12.6800, 7.2572, 0.7325



0.3428, 0.2452, 0.0293

Inverse Universe

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



15.4541, 19.5995, 40.0141



27.8846, 35.2480, 72.5590



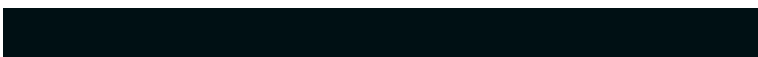
8.2257, 5.1428, 37.6046



7.6129, 8.2627, 9.6120



11.7079, 14.8759, 30.2298



0.3174, 0.4269, 0.7463

Previews

White Background



This preview shows how the XYZ color 16.7495, 9.5269, 0.9561 looks on a white background.

Color Contrast Check

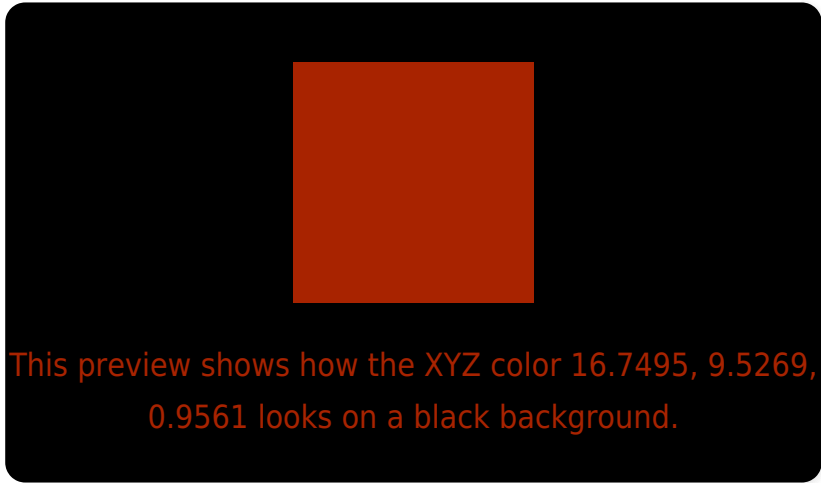
Large Text (above 18pt) WCAG AA ✓ Pass

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

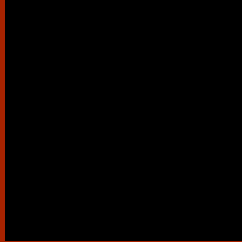
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.7495, 9.5269, 0.9561

Background



This preview shows how black text looks on a background with the XYZ color 16.7495, 9.5269, 0.9561.



This preview shows how white text looks on a background with the XYZ color 16.7495, 9.5269,

0.9561.

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

16.7495, 9.5269, 0.9561

Protanopia

8.9542, 9.9046, 2.1017

Deuteranopia

9.8524, 9.7854, 1.3695



Tritanopia

16.9668, 9.5223, 2.3826

Trichromacy



Original Color

16.7495, 9.5269, 0.9561

Protanomaly

10.6582, 8.6453, 1.4877

Deuteranomaly

11.4639, 8.8020, 1.0947

Tritanomaly

16.8558, 9.5230, 1.6592

Monochromacy



Original Color

16.7495, 9.5269, 0.9561

Achromatopsia

5.9891, 6.3010, 6.8618

Achromatomaly

7.9306, 6.2797, 3.2767

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7495, 9.5269, 0.9561 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(168, 35, 0)` looks like.

```
.text, #text, p{  
    color:rgb(168, 35, 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(168, 35, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 35, 0) }
```

Border

The CSS property to change the border of an element to XYZ 16.7495, 9.5269, 0.9561 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(168, 35, 0) }
```


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

```
.border{ border-color:rgb(168, 35, 0) }
```

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

Here you see how a box with a 4 pixel rgb(168, 35, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 35, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 35, 0);  
box-shadow:4px 4px 4px 4px rgb(168, 35, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.7495, 9.5269, 0.9561 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 35, 0) }
```

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

```
.background{ background-color: rgb(168, 35,  
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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