

Converting Colors

XYZ(16.3482, 9.0391, 0.8838)

Have a look what the booklet for
XYZ(16.3482, 9.0391, 0.8838)
contains.

XYZ(16.3516, 9.0460, 0.8842)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(16.3516, 9.0460,
0.8842)**

Conversions

Conversions Part 1

Format	Color
Hex	A71C00
RGB	167, 28, 0
RGB Percent	65%, 11%, 0%
CMY	0.3451, 0.8901, 1.0000
CMYK	0.00, 0.83, 1.00, 0.35
HSL	10°, 100%, 33%
HSV	10°, 100%, 65%
XYZ	16.3516, 9.0460, 0.8842
YIQ	66.3690, 91.8320, 20.7600

Conversions

Conversions Part 2

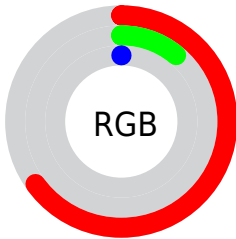
Format	Color
RYB	167, 34, 0
Decimal	10951680
CIELab	36.07, 53.63, 49.55
CIElCh	36, 73.017, 42.732
Yxy	9.0460, 0.6222, 0.3442
Android (android.graphics.Color)	4289141760 (0xFFA71C00)
YUV	66.3690, -32.7199, 88.2534
Hunter-Lab	30.0766, 44.4103, 19.3106

Details

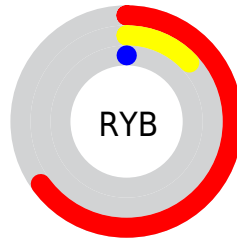
The XYZ color **16.3516, 9.0460, 0.8842** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **16.2056, 21.2512, 39.8067**, and the grayscale version is **5.2764, 5.5512, 6.0452**.

A 20% lighter version of the original color is **36.6170, 23.8697, 5.6950**, and **5.8257, 3.0033, 0.2726** is the 20% darker color. If you saturate the color by 10%, you get **16.3518, 9.0466, 0.8843**, and if you desaturate by 10%, it is **16.8599, 9.9047, 1.5413**.

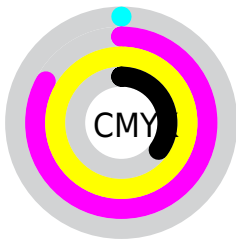
Distribution



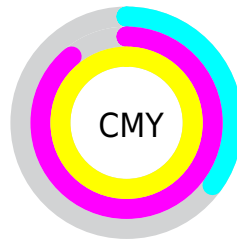
- Red (65%)
- Green (11%)
- Blue (0%)



- Red (65%)
- Yellow (13%)
- Blue (0%)



- Cyan (0%)
- Magenta (83%)
- Yellow (100%)
- Black (35%)





- Cyan (35%)
- Magenta (89%)
- Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.3516, 9.0460, 0.8842 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 16.3516, 9.0460, 0.8842 by changing the saturation by 10% instead.


 16.3516, 9.0460,
0.8842

 16.3516, 9.0460,
0.8842


 224.6374,
183.7207, 101.5504

 9.8657, 4.7712,
0.0000


 36.7601, 23.9849,
5.6769


 5.3716, 2.1136,
0.0000

 51.4134, 35.4179,
10.5835


 2.5039, 0.6723,
0.0000

 69.5198, 50.0056,
17.7225

 0.8972, 0.0000,
0.0000

 91.4449, 68.1326,
27.5122


 0.0000, 0.0000,
0.0000


 117.5538, 90.1832,
40.3714


 148.2119,


116.5418, 56.7184


 183.7847,
147.5928, 76.9719


 16.3516, 9.0460,
0.8842


 16.3516, 9.0460,
0.8842


 16.3518, 9.0466,
0.8843

 16.8599, 9.9047,
1.5413

 17.6214, 11.1375,
2.6894

 18.6861, 12.7906,
4.5129

 20.0833, 14.8982,
7.0959

 21.8386, 17.4910,
10.5102

■ 23.9749, 20.5969,
14.8193

■ 26.5133, 24.2416,
20.0804

■ 29.4733, 28.4493,
26.3459

■ 32.8731, 33.2426,
33.6646

Harmonies

Analogous

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



19.6545, 9.0460, 5.4458



16.3516, 9.0460, 0.8842



11.3370, 9.0460, 0.0000

Triad

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



16.3516, 9.0460, 0.8842



2.8165, 9.0460, 4.2996



10.5830, 9.0460, 56.8022

Complementary

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



16.3516, 9.0460, 0.8842



16.2056, 21.2512, 39.8067

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.



6.3399, 9.0460, 55.2338



16.3516, 9.0460, 0.8842



2.7356, 9.0460, 16.1520

Square

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



16.3516, 9.0460, 0.8842



4.0684, 9.0460, 0.5985



3.7899, 9.0460, 36.8115



15.6413, 9.0460, 40.1462

Rectangle

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



16.3516, 9.0460, 0.8842



8.2042, 9.0460, 0.0000



3.7899, 9.0460, 36.8115



9.0042, 9.0460, 58.6339

Sweetspot

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



16.3518, 9.0466, 0.8843



47.2181, 43.0356, 35.4058



20.6086, 10.0844, 25.3501



10.1377, 9.0165, 7.0296



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.



16.3518, 9.0466, 0.8843



29.1828, 15.9970, 1.5496



21.6571, 19.6571, 2.6527



7.6291, 7.7382, 7.8808



12.5382, 6.9737, 0.6852



0.3338, 0.2272, 0.0263

Inverse Universe

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



16.2056, 21.2512, 39.8067



28.8922, 37.7974, 71.2481



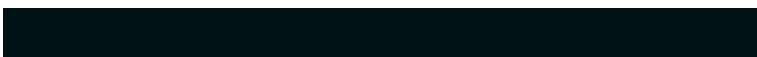
8.3731, 5.5861, 37.1958



7.6389, 8.3147, 9.6206



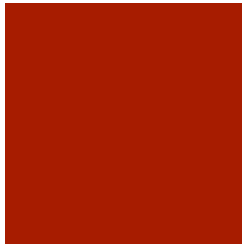
12.4316, 16.3233, 30.4710



0.3300, 0.4522, 0.7505

Previews

White Background



This preview shows how the XYZ color 16.3516, 9.0460, 0.8842 looks on a white background.

Color Contrast Check

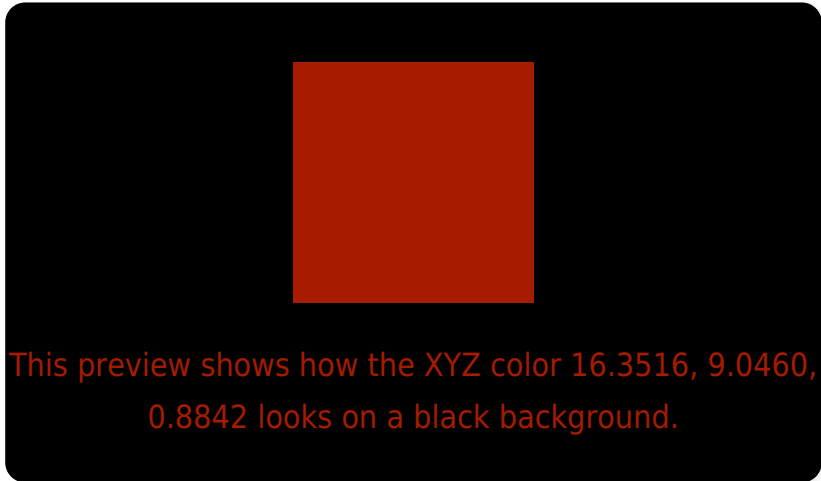
Large Text (above 18pt) WCAG AA ✓ Pass

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

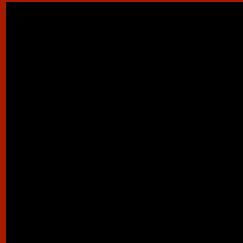
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.3516, 9.0460, 0.8842

Background



This preview shows how black text looks on a background with the XYZ color 16.3516, 9.0460, 0.8842.



This preview shows how white text looks on a background with the XYZ color 16.3516, 9.0460,

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

16.3516, 9.0460, 0.8842

Protanopia

8.4642, 9.4083, 2.0317

Deuteranopia

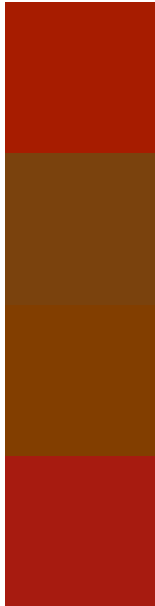
9.3240, 9.2858, 1.3009



Tritanopia

16.4812, 9.0245, 1.7929

Trichromacy



Original Color

16.3516, 9.0460, 0.8842

Protanomaly

10.0469, 8.0631, 1.4076

Deuteranomaly

10.9285, 8.1911, 1.0050

Tritanomaly

16.4218, 9.0368, 1.3690

Monochromacy



Original Color

16.3516, 9.0460, 0.8842

Achromatopsia

5.1784, 5.4480, 5.9329

Achromatomaly

7.2394, 5.5067, 2.8718

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.3516, 9.0460, 0.8842 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(167, 28, 0)` looks like.

```
.text, #text, p{  
    color:rgb(167, 28, 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(167, 28, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 28, 0) }
```

Border

The CSS property to change the border of an element to XYZ 16.3516, 9.0460, 0.8842 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(167, 28, 0) }
```


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

```
.border{ border-color:rgb(167, 28, 0) }
```

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

Here you see how a box with a 4 pixel rgb(167, 28, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 28, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 28, 0);  
box-shadow:4px 4px 4px 4px rgb(167, 28, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.3516, 9.0460, 0.8842 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 28, 0) }
```

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

```
.background{ background-color: rgb(167, 28,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor