

Converting Colors

XYZ(16.6913, 9.4082, 1.5299)

Have a look what the booklet for
XYZ(16.6913, 9.4082, 1.5299)
contains.

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Color

**XYZ(16.5894, 9.3469,
1.5020)**

Conversions

Conversions Part 1

Format	Color
Hex	A72112
RGB	167, 33, 18
RGB Percent	65%, 13%, 7%
CMY	0.3451, 0.8705, 0.9294
CMYK	0.00, 0.80, 0.89, 0.35
HSL	6°, 81%, 36%
HSV	6°, 89%, 65%
XYZ	16.5894, 9.3469, 1.5020
YIQ	71.3560, 84.6790, 23.7430

Conversions

Conversions Part 2

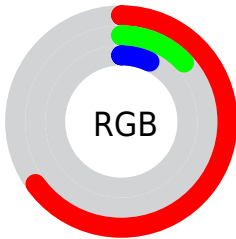
Format	Color
RYB	167, 35, 18
Decimal	10952978
CIELab	36.64, 52.51, 42.80
CIElCh	37, 67.745, 39.180
Yxy	9.3469, 0.6046, 0.3407
Android (android.graphics.Color)	4289143058 (0xFFA72112)
YUV	71.3560, -26.3045, 83.8798
Hunter-Lab	30.5727, 43.3557, 18.4880

Details

The XYZ color **16.5894, 9.3469, 1.5020** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **18.4506, 25.3710, 40.4836**, and the grayscale version is **6.0837, 6.4005, 6.9701**.

A 20% lighter version of the original color is **37.2996, 24.6753, 7.6474**, and **5.9439, 3.0642, 0.2782** is the 20% darker color. If you saturate the color by 10%, you get **16.1596, 8.6507, 0.8554**, and if you desaturate by 10%, it is **17.2933, 10.4513, 2.6727**.

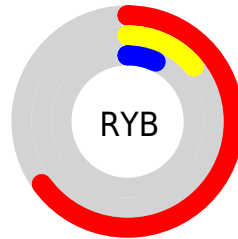
Distribution



Red (65%)

Green (13%)

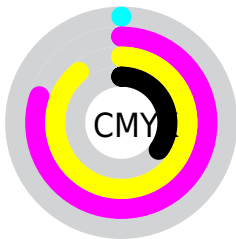
Blue (7%)



Red (65%)

Yellow (14%)

Blue (7%)

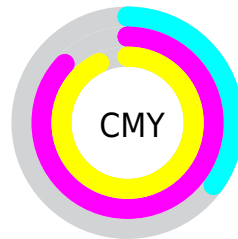


Cyan (0%)

Magenta (80%)

Yellow (89%)

Black (35%)



Cyan (35%)


Magenta (87%)

Yellow (93%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 16.5894, 9.3469, 1.5020 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 16.5894, 9.3469, 1.5020 by changing the saturation by 10% instead.


 16.5894, 9.3469,
1.5020


 16.5894, 9.3469,
1.5020


 225.9976,
185.9451, 114.0896


 10.0357, 4.9681,
0.2194


 37.1677, 24.5596,
7.6282


 5.4851, 2.2286,
0.0000

 51.9230, 36.1624,
13.4842


 2.5722, 0.7355,
0.0000

 70.1428, 50.9419,
21.7603

 0.9318, 0.0000,
0.0000

 92.1925, 69.2826,
32.8749


 0.0000, 0.0000,
0.0000


 118.4375, 91.5689,
47.2466


 149.2431,


118.1851, 65.2939


 184.9747,
149.5157, 87.4354


 16.5894, 9.3469,
1.5020


 16.5894, 9.3469,
1.5020


 16.1596, 8.6507,
0.8554


 17.2933, 10.4513,
2.6727

 16.1340, 8.6109,
0.8117

 18.3227, 12.0182,
4.5324

 19.7116, 14.0919,
7.1659

 21.4895, 16.7111,
10.6456

 23.6827, 19.9108,
15.0356

■ 26.3155, 23.7230,
20.3938

■ 29.4100, 28.1772,
26.7732

■ 32.9869, 33.3012,
34.2232

■ 37.0658, 39.1212,
42.7897

Harmonies

Analogous

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



19.2815, 9.3469, 6.9572



16.5894, 9.3469, 1.5020



12.0228, 9.3469, 0.0000

Triad

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



16.5894, 9.3469, 1.5020



3.3289, 9.3469, 4.0363



10.2149, 9.3469, 53.3203

Complementary

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



16.5894, 9.3469, 1.5020



18.4506, 25.3710, 40.4836

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.



6.3453, 9.3469, 49.7931



16.5894, 9.3469, 1.5020



3.1166, 9.3469, 14.2631

Square

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



16.5894, 9.3469, 1.5020



4.7456, 9.3469, 0.7457



4.0333, 9.3469, 32.4296



14.9187, 9.3469, 40.0327

Rectangle

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



16.5894, 9.3469, 1.5020



8.9982, 9.3469, 0.0000



4.0333, 9.3469, 32.4296



8.7706, 9.3469, 54.1985

Sweetspot

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



16.5896, 9.3475, 1.5021



48.0298, 43.7851, 38.3705



21.8282, 10.9183, 30.7055



10.3733, 9.2572, 7.8184



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.



16.5896, 9.3475, 1.5021



28.8248, 15.2811, 1.4303



21.3449, 18.8580, 3.0872



7.5897, 7.6594, 7.8677



12.3641, 6.6254, 0.6272



0.3190, 0.1976, 0.0213

Inverse Universe

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



18.4506, 25.3710, 40.4836



31.9872, 43.9875, 72.2798



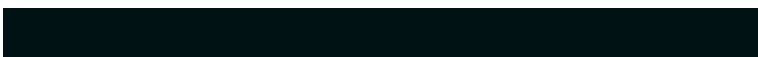
9.9205, 8.3107, 37.6402



7.6820, 8.4010, 9.6350



13.7247, 18.9097, 30.9020



0.3518, 0.4958, 0.7578

Previews

White Background



This preview shows how the XYZ color 16.5894, 9.3469, 1.5020 looks on a white background.

Color Contrast Check

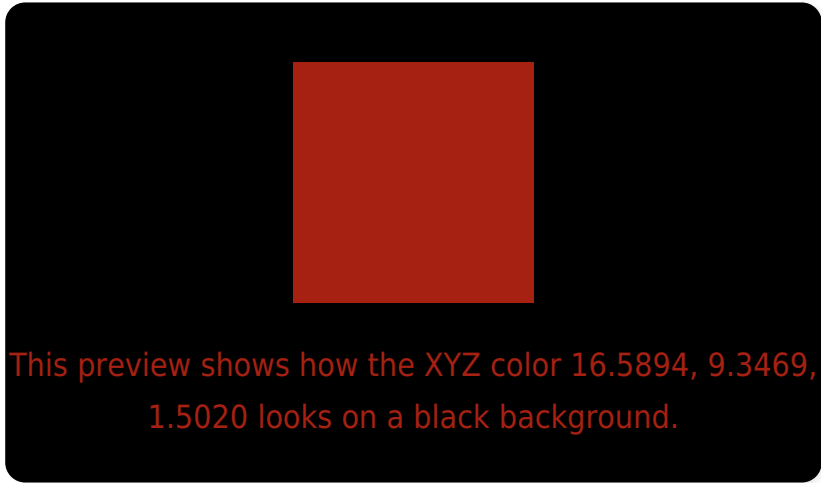
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.5894, 9.3469, 1.5020

Background



This preview shows how black text looks on a background with the XYZ color 16.5894, 9.3469, 1.5020.



This preview shows how white text looks on a background with the XYZ color 16.5894, 9.3469,

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

16.5894, 9.3469, 1.5020

Protanopia

8.7740, 9.6750, 2.7014

Deuteranopia

9.6488, 9.5660, 1.3379



Tritanopia

16.7002, 9.3474, 2.2204

Trichromacy



Original Color

16.5894, 9.3469, 1.5020

Protanomaly

10.4220, 8.4198, 2.0532

Deuteranomaly

11.2887, 8.6212, 1.2701

Tritanomaly

16.6393, 9.3231, 1.8998

Monochromacy



Original Color

16.5894, 9.3469, 1.5020

Achromatopsia

5.9891, 6.3010, 6.8618

Achromatomaly

8.0268, 6.2384, 4.0299

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.5894, 9.3469, 1.5020 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, 33, 18)` looks like.

```
.text, #text, p{  
    color:rgb(167, 33, 18)  
}
```

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, 33, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 33, 18) }
```

Border

The CSS property to change the border of an element to XYZ 16.5894, 9.3469, 1.5020 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, 33, 18) }
```


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

```
.border{ border-color:rgb(167, 33, 18) }
```

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

Here you see how a box with a 4 pixel rgb(167, 33, 18) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 33, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 33, 18);  
box-shadow:4px 4px 4px 4px rgb(167, 33,  
18) }
```

Background

The CSS property to change the background color of an element to XYZ 16.5894, 9.3469, 1.5020 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 33, 18) }
```

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

```
.background{ background-color: rgb(167, 33,  
18) }
```

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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