

Converting Colors

XYZ(16.8698, 8.6843, 1.3527)

Have a look what the booklet for
XYZ(16.8698, 8.6843, 1.3527)
contains.

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Color

**XYZ(16.9038, 8.7016,
1.3609)**

Conversions

Conversions Part 1

Format	Color
Hex	AB0012
RGB	171, 0, 18
RGB Percent	67%, 0%, 7%
CMY	0.3294, 0.9999, 0.9294
CMYK	0.00, 1.00, 0.89, 0.33
HSL	354°, 100%, 34%
HSV	354°, 100%, 67%
XYZ	16.9038, 8.7016, 1.3609
YIQ	53.1810, 96.1380, 41.8500

Conversions

Conversions Part 2

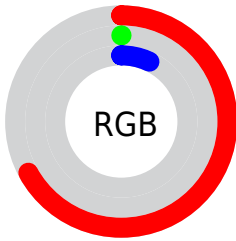
Format	Color
R _Y B	171, 0, 18
Decimal	11206674
CIE Lab	35.40, 59.61, 42.21
CIE LCh	35, 73.046, 35.302
Yxy	8.7016, 0.6268, 0.3227
Android (android.graphics.Color)	4289396754 (0xFFAB0012)
YUV	53.1810, -17.3442, 103.3273
Hunter-Lab	29.4985, 50.6653, 17.9136

Details

The XYZ color **16.9038, 8.7016, 1.3609** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **20.3152, 31.4267, 35.1441**, and the grayscale version is **3.4199, 3.5980, 3.9183**.

A 20% lighter version of the original color is **37.8120, 23.3288, 7.2126**, and **6.3067, 3.2512, 0.2951** is the 20% darker color. If you saturate the color by 10%, you get **16.9035, 8.7015, 1.3598**, and if you desaturate by 10%, it is **17.2757, 9.1743, 2.3214**.

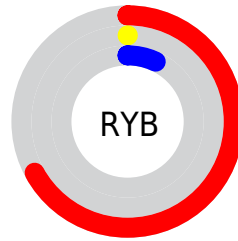
Distribution



Red (67%)

Green (0%)

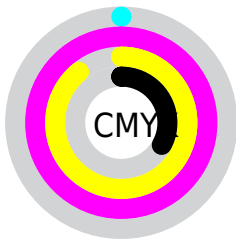
Blue (7%)



Red (67%)

Yellow (0%)

Blue (7%)

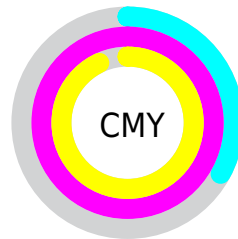


Cyan (0%)

Magenta (100%)

Yellow (89%)

Black (33%)



Cyan (33%)


Magenta (100%)

Yellow (93%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 16.9038, 8.7016, 1.3609 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 16.9038, 8.7016, 1.3609 by changing the saturation by 10% instead.


 16.9038, 8.7016,
1.3609


 16.9038, 8.7016,
1.3609


 227.7845,
181.1360, 111.4951


 10.2608, 4.5471,
0.1109


 37.7052, 23.3228,
7.2056


 5.6358, 1.9840,
0.0000

 52.5943, 34.5583,
12.8644

 2.6635, 0.5982,
0.0000

 70.9629, 48.9228,
20.9055

 0.9784, 0.0000,
0.0000


 93.1762, 66.8009,
31.7475


 0.0000, 0.0000,
0.0000


 119.5997, 88.5769,
45.8089


 150.5987,

114.6351, 63.5083


 186.5385,
145.3600, 85.2642


 16.9038, 8.7016,
1.3609


 16.9038, 8.7016,
1.3609


 16.9035, 8.7015,
1.3598

 17.2757, 9.1743,
2.3214

 17.9191, 10.0334,
3.8544

 18.9155, 11.4234,
6.0447

 20.3065, 13.4116,
8.9557

 22.1282, 16.0557,
12.6434

■ 24.4122, 19.4062,
17.1581

■ 27.1874, 23.5091,
22.5461

■ 30.4803, 28.4061,
28.8499

■ 34.3154, 34.1361,
36.1096

Harmonies

Analogous

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



19.3820, 8.7016, 7.4706



16.9038, 8.7016, 1.3609



12.1810, 8.7016, 0.0000

Triad

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



16.9038, 8.7016, 1.3609



2.8426, 8.7016, 2.6699



9.0497, 8.7016, 57.1820

Complementary

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



16.9038, 8.7016, 1.3609



20.3152, 31.4267, 35.1441

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.



5.3019, 8.7016, 50.6739



16.9038, 8.7016, 1.3609



2.5068, 8.7016, 11.8082

Square

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



16.9038, 8.7016, 1.3609



4.3869, 8.7016, 0.0997



3.2298, 8.7016, 30.4843



13.9555, 8.7016, 44.3379

Rectangle

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



16.9038, 8.7016, 1.3609



8.9589, 8.7016, 0.0000



3.2298, 8.7016, 30.4843



7.6185, 8.7016, 57.2533

Sweetspot

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



16.9040, 8.7022, 1.3610



48.3963, 41.6659, 39.8098



20.1233, 9.5252, 39.3058



10.3189, 8.5904, 7.9616



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



16.9040, 8.7022, 1.3610



30.2362, 15.5691, 2.2391



18.7177, 12.5040, 1.4278



8.0382, 8.0285, 8.5120



12.7528, 6.5637, 1.0778



0.3654, 0.1869, 0.0861

Inverse Universe

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



16.9040, 8.7022, 1.3610



30.2362, 15.5691, 2.2391



12.4496, 13.1376, 40.4075



8.0382, 8.0285, 8.5120



12.7528, 6.5637, 1.0778



0.3654, 0.1869, 0.0861

Previews

White Background



This preview shows how the XYZ color 16.9038, 8.7016, 1.3609 looks on a white background.

Color Contrast Check

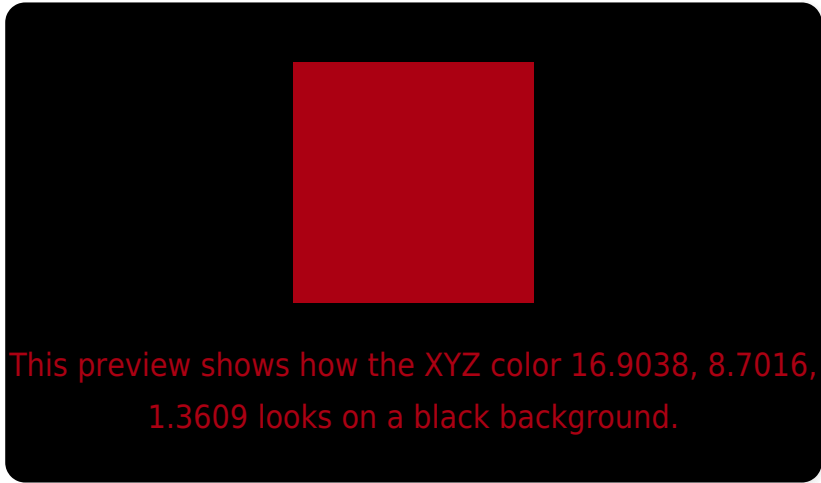
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.9038, 8.7016, 1.3609

Background



This preview shows how black text looks on a background with the XYZ color 16.9038, 8.7016, 1.3609.



This preview shows how white text looks on a background with the XYZ color 16.9038, 8.7016,

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

16.9038, 8.7016, 1.3609

Protanopia

8.4262, 9.2522, 2.7806

Deuteranopia

9.3240, 9.2858, 1.3009



Tritanopia

16.7629, 8.9166, 0.8376

Trichromacy



Original Color

16.9038, 8.7016, 1.3609

Protanomaly

9.7442, 7.0272, 1.9414

Deuteranomaly

10.7821, 7.3769, 1.0566

Tritanomaly

16.7245, 8.7785, 1.0139

Monochromacy



Original Color

16.9038, 8.7016, 1.3609

Achromatopsia

3.3839, 3.5601, 3.8770

Achromatomaly

5.7789, 3.7841, 2.4333

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.9038, 8.7016, 1.3609 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(171, 0, 18)` looks like.

```
.text, #text, p{  
    color:rgb(171, 0, 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(171, 0, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 0, 18) }
```

Border

The CSS property to change the border of an element to XYZ 16.9038, 8.7016, 1.3609 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(171, 0, 18) }
```


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

```
.border{ border-color:rgb(171, 0, 18) }
```

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

Here you see how a box with a 4 pixel rgb(171, 0, 18) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 0, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 0, 18);  
box-shadow:4px 4px 4px 4px rgb(171, 0, 18)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.9038, 8.7016, 1.3609 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 0, 18) }
```

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

```
.background{ background-color: rgb(171, 0,  
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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