

Converting Colors

XYZ(16.8698, 8.3394, 1.7493)

Have a look what the booklet for
XYZ(16.8698, 8.3394, 1.7493)
contains.

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Color

**XYZ(16.9924, 8.7371,
1.8277)**

Conversions

Conversions Part 1

Format	Color
Hex	AB001B
RGB	171, 0, 27
RGB Percent	67%, 0%, 11%
CMY	0.3294, 0.9999, 0.8941
CMYK	0.00, 1.00, 0.84, 0.33
HSL	351°, 100%, 34%
HSV	351°, 100%, 67%
XYZ	16.9924, 8.7371, 1.8277
YIQ	54.2070, 93.2490, 44.6490

Conversions

Conversions Part 2

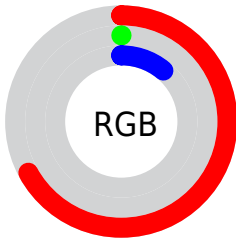
Format	Color
R_{YB}	171, 0, 27
Decimal	11206683
CIE Lab	35.47, 59.80, 37.54
CIE LCh	35, 70.609, 32.116
Yxy	8.7371, 0.6166, 0.3171
Android (android.graphics.Color)	4289396763 (0xFFAB001B)
YUV	54.2070, -13.4131, 102.4275
Hunter-Lab	29.5586, 50.8871, 17.0249

Details

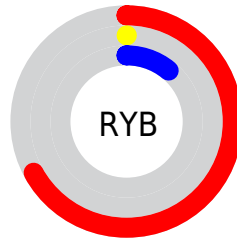
The XYZ color **16.9924, 8.7371, 1.8277** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **19.5996, 31.1403, 31.3758**, and the grayscale version is **3.5421, 3.7266, 4.0583**.

A 20% lighter version of the original color is **37.7934, 23.3961, 8.4852**, and **6.3067, 3.2512, 0.2951** is the 20% darker color. If you saturate the color by 10%, you get **16.9919, 8.7368, 1.8261**, and if you desaturate by 10%, it is **17.4042, 9.2258, 2.9983**.

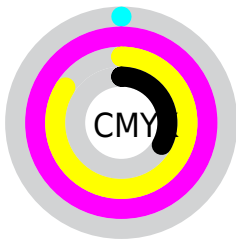
Distribution



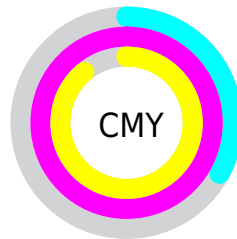
- Red (67%)
- Green (0%)
- Blue (11%)



- Red (67%)
- Yellow (0%)
- Blue (11%)



- Cyan (0%)
- Magenta (100%)
- Yellow (84%)
- Black (33%)





- Cyan (33%)
- Magenta (100%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.9924, 8.7371, 1.8277 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 16.9924, 8.7371, 1.8277 by changing the saturation by 10% instead.


 16.9924, 8.7371,
1.8277


 16.9924, 8.7371,
1.8277


228.2857,
181.4044, 119.6412


 10.3243, 4.5701,
0.4461


 37.8564, 23.3913,
8.5642


 5.6784, 1.9973,
0.0000

 52.7831, 34.6473,
14.8434


 2.6893, 0.6059,
0.0000

 71.1933, 49.0350,
23.6214

 0.9917, 0.0000,
0.0000


 93.4525, 66.9390,
35.3167


 0.0000, 0.0000,
0.0000


 119.9260, 88.7435,
50.3477


 150.9791,

114.8329, 69.1331


 186.9772,
145.5918, 92.0915


 16.9924, 8.7371,
1.8277


 16.9924, 8.7371,
1.8277


 16.9919, 8.7368,
1.8261

 17.4042, 9.2258,
2.9983

 18.0821, 10.0988,
4.7126

 19.1048, 11.4994,
7.0414

 20.5120, 13.4942,
10.0369

 22.3377, 16.1399,
13.7456

■ 24.6122, 19.4868,
18.2098

■ 27.3629, 23.5800,
23.4686

■ 30.6152, 28.4608,
29.5581

■ 34.3923, 34.1678,
36.5123

Harmonies

Analogous

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



19.0145, 8.7371, 8.6993



16.9924, 8.7371, 1.8277



12.5917, 8.7371, 0.0000

Triad

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



16.9924, 8.7371, 1.8277



3.0828, 8.7371, 2.3550



8.6005, 8.7371, 55.0275

Complementary

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



16.9924, 8.7371, 1.8277



19.5996, 31.1403, 31.3758

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.



5.1208, 8.7371, 47.0067



16.9924, 8.7371, 1.8277



2.6339, 8.7371, 10.3764

Square

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



16.9924, 8.7371, 1.8277



4.7622, 8.7371, 0.0948



3.2365, 8.7371, 27.4108



13.2728, 8.7371, 44.6165

Rectangle

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



16.9924, 8.7371, 1.8277



9.4401, 8.7371, 0.0000



3.2365, 8.7371, 27.4108



7.2636, 8.7371, 54.3882

Sweetspot

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



16.9926, 8.7377, 1.8278



48.7127, 41.7925, 41.4763



18.5931, 8.7365, 39.2340



10.3941, 8.6205, 8.3576



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.



16.9926, 8.7377, 1.8278



30.3816, 15.6272, 3.0047



18.2588, 11.5862, 1.2749



8.0548, 8.0352, 8.5996



12.8227, 6.5916, 1.4461



0.3720, 0.1895, 0.1209

Inverse Universe

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



16.9926, 8.7377, 1.8278



30.3816, 15.6272, 3.0047



13.3695, 14.9774, 40.7140



8.0548, 8.0352, 8.5996



12.8227, 6.5916, 1.4461



0.3720, 0.1895, 0.1209

Previews

White Background



This preview shows how the XYZ color 16.9924, 8.7371, 1.8277 looks on a white background.

Color Contrast Check

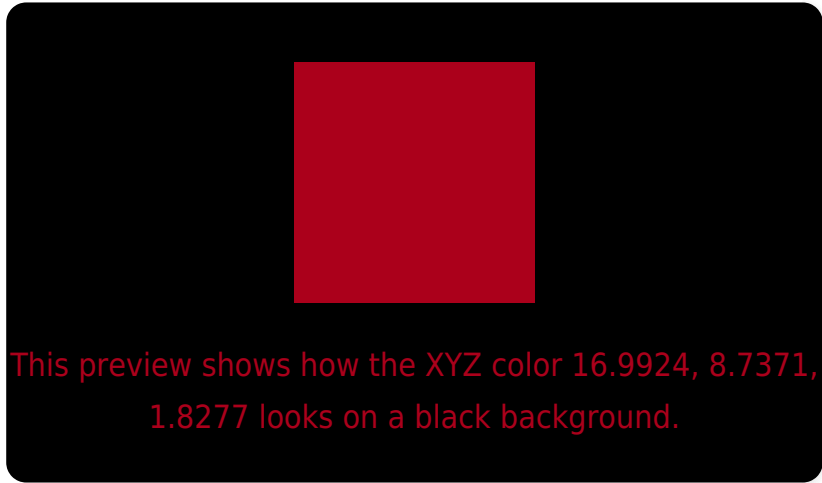
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.9924, 8.7371, 1.8277

Background



This preview shows how black text looks on a background with the XYZ color 16.9924, 8.7371, 1.8277.



This preview shows how white text looks on a background with the XYZ color 16.9924, 8.7371,

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

16.9924, 8.7371, 1.8277

Protanopia

8.6867, 9.4850, 3.7558

Deuteranopia

9.3240, 9.2858, 1.3009

Trichromacy



Original Color

16.9924, 8.7371, 1.8277

Protanomaly

9.8844, 7.0833, 2.6800

Deuteranomaly

10.7985, 7.3834, 1.1432

Monochromacy



Original Color

16.9924, 8.7371, 1.8277

Achromatopsia

3.5063, 3.6889, 4.0173

Achromatomaly

5.9564, 3.8673, 2.8154

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.9924, 8.7371, 1.8277 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, 27)` looks like.

```
.text, #text, p{  
    color:rgb(171, 0, 27)  
}
```

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, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 0, 27) }
```

Border

The CSS property to change the border of an element to XYZ 16.9924, 8.7371, 1.8277 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, 27) }
```

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

```
.border{ border-color:rgb(171, 0, 27) }
```

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, 27) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 0, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 0, 27);  
box-shadow:4px 4px 4px 4px rgb(171, 0, 27)  
}
```


Background

The CSS property to change the background color of an element to XYZ 16.9924, 8.7371, 1.8277 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, 27) }
```

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

```
.background{ background-color: rgb(171, 0,  
27) }
```

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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