

Converting Colors

XYZ(16.3951, 8.4309, 1.7211)

Have a look what the booklet for
XYZ(16.3951, 8.4309, 1.7211)
contains.

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Color

**XYZ(16.3349, 8.3994,
1.7376)**

Conversions

Conversions Part 1

Format	Color
Hex	A8001A
RGB	168, 0, 26
RGB Percent	66%, 0%, 10%
CMY	0.3412, 0.9999, 0.8980
CMYK	0.00, 1.00, 0.85, 0.34
HSL	351°, 100%, 33%
HSV	351°, 100%, 66%
XYZ	16.3349, 8.3994, 1.7376
YIQ	53.1960, 91.7820, 43.7020

Conversions

Conversions Part 2

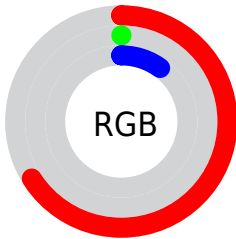
Format	Color
RYB	168, 0, 26
Decimal	11010074
CIELab	34.80, 59.02, 37.24
CIElCh	35, 69.784, 32.248
Yxy	8.3994, 0.6171, 0.3173
Android (android.graphics.Color)	4289200154 (0xFFA8001A)
YUV	53.1960, -13.4076, 100.6831
Hunter-Lab	28.9817, 49.8895, 16.7325

Details

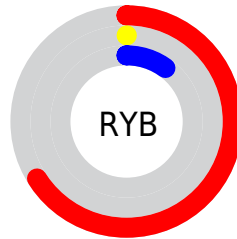
The XYZ color **16.3349, 8.3994, 1.7376** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **18.8873, 29.9590, 30.3886**, and the grayscale version is **3.4174, 3.5954, 3.9154**.

A 20% lighter version of the original color is **36.7144, 22.7389, 8.2483**, and **5.9439, 3.0642, 0.2782** is the 20% darker color. If you saturate the color by 10%, you get **16.3345, 8.3992, 1.7363**, and if you desaturate by 10%, it is **16.7326, 8.8749, 2.8567**.

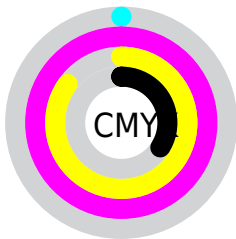
Distribution



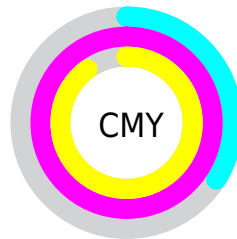
- Red (66%)
- Green (0%)
- Blue (10%)



- Red (66%)
- Yellow (0%)
- Blue (10%)



- Cyan (0%)
- Magenta (100%)
- Yellow (85%)
- Black (34%)




- Cyan (34%)
- Magenta (100%)
- Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.3349, 8.3994, 1.7376 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 16.3349, 8.3994, 1.7376 by changing the saturation by 10% instead.


 16.3349, 8.3994,
1.7376


 16.3349, 8.3994,
1.7376


224.5416,
178.8320, 118.1592


 9.8538, 4.3516,
0.3863


 36.7314, 22.7378,
8.3102


 5.3636, 1.8721,
0.0000

 51.3775, 33.7971,
14.4763


 2.4991, 0.5315,
0.0000

 69.4760, 47.9624,
23.1204

 0.8948, 0.0000,
0.0000


 91.3922, 65.6180,
34.6610


 0.0000, 0.0000,
0.0000


 117.4916, 87.1484,
49.5166


 148.1393,


112.9380, 68.1059

 183.7009,
143.3710, 90.8472


 16.3349, 8.3994,
1.7376


 16.3349, 8.3994,
1.7376


 16.3345, 8.3992,
1.7363

 16.7326, 8.8749,
2.8567

 17.3852, 9.7178,
4.4995

 18.3693, 11.0675,
6.7346

 19.7230, 12.9877,
9.6124

 21.4789, 15.5328,
13.1781

■ 23.6662, 18.7509,
17.4726

■ 26.3112, 22.6852,
22.5335

■ 29.4380, 27.3753,
28.3959

■ 33.0692, 32.8581,
35.0927

Harmonies

Analogous

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



18.2966, 8.3994, 8.3147



16.3349, 8.3994, 1.7376



12.0910, 8.3994, 0.0000

Triad

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



16.3349, 8.3994, 1.7376



2.9546, 8.3994, 2.2760



8.2865, 8.3994, 52.9915

Complementary

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



16.3349, 8.3994, 1.7376



18.8873, 29.9590, 30.3886

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.



4.9306, 8.3994, 45.3355



16.3349, 8.3994, 1.7376



2.5275, 8.3994, 10.0299

Square

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



16.3349, 8.3994, 1.7376



4.5640, 8.3994, 0.0687



3.1117, 8.3994, 26.4703



12.7878, 8.3994, 42.8884

Rectangle

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



16.3349, 8.3994, 1.7376



9.0578, 8.3994, 0.0000



3.1117, 8.3994, 26.4703



6.9974, 8.3994, 52.4035

Sweetspot

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



16.3351, 8.3999, 1.7377



47.4509, 40.7253, 40.3319



17.8840, 8.4035, 37.7250



9.9024, 8.2207, 7.9534



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.



16.3351, 8.3999, 1.7377



29.5912, 15.2216, 2.8850



17.5635, 11.1549, 1.2282



7.5767, 7.5605, 8.0879



12.3480, 6.3479, 1.3782



0.3140, 0.1599, 0.1049

Inverse Universe

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



16.3351, 8.3999, 1.7377



29.5912, 15.2216, 2.8850



12.8633, 14.4176, 39.1504



7.5767, 7.5605, 8.0879



12.3480, 6.3479, 1.3782



0.3140, 0.1599, 0.1049

Previews

White Background



This preview shows how the XYZ color 16.3349, 8.3994, 1.7376 looks on a white background.

Color Contrast Check

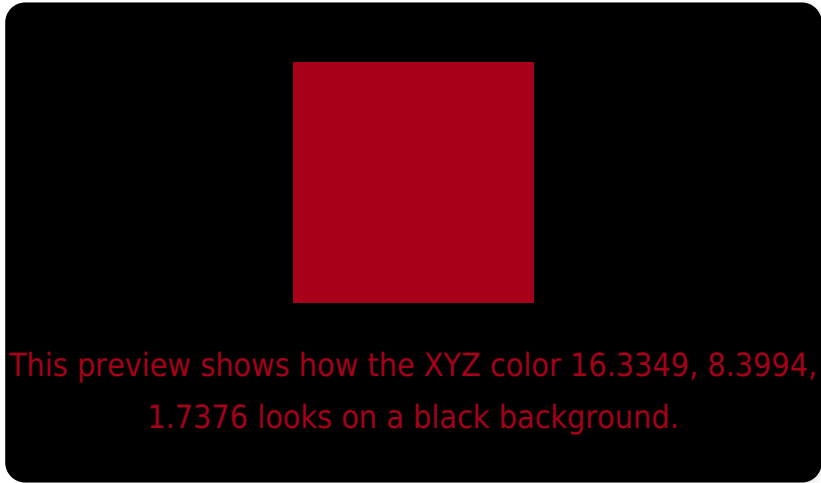
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.3349, 8.3994, 1.7376

Background



This preview shows how black text looks on a background with the XYZ color 16.3349, 8.3994, 1.7376.



This preview shows how white text looks on a background with the XYZ color 16.3349, 8.3994,

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

16.3349, 8.3994, 1.7376

Protanopia

8.2825, 9.0438, 3.4996

Deuteranopia

9.0058, 9.0107, 1.2646



Tritanopia

16.1072, 8.5571, 0.8028

Trichromacy



Original Color

16.3349, 8.3994, 1.7376

Protanomaly

9.5228, 6.8307, 2.4856

Deuteranomaly

10.3306, 7.1428, 1.0927

Tritanomaly

16.0942, 8.4523, 1.0416

Monochromacy



Original Color

16.3349, 8.3994, 1.7376

Achromatopsia

3.3839, 3.5601, 3.8770

Achromatomaly

5.7274, 3.7514, 2.7077

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.3349, 8.3994, 1.7376 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, 0, 26)` looks like.

```
.text, #text, p{  
  color:rgb(168, 0, 26)  
}
```

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, 0, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 0, 26) }
```

Border

The CSS property to change the border of an element to XYZ 16.3349, 8.3994, 1.7376 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, 0, 26) }
```


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

```
.border{ border-color:rgb(168, 0, 26) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 0, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 0, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 0, 26);  
box-shadow:4px 4px 4px 4px rgb(168, 0, 26)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.3349, 8.3994, 1.7376 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 0, 26) }
```

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

```
.background{ background-color: rgb(168, 0,  
26) }
```

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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