

Converting Colors

XYZ(16.3709, 8.4212, 1.5932)

Have a look what the booklet for
XYZ(16.3709, 8.4212, 1.5932)
contains.

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Color

**XYZ(16.3031, 8.3867,
1.5701)**

Conversions

Conversions Part 1

Format	Color
Hex	A80017
RGB	168, 0, 23
RGB Percent	66%, 0%, 9%
CMY	0.3412, 0.9999, 0.9098
CMYK	0.00, 1.00, 0.86, 0.34
HSL	352°, 100%, 33%
HSV	352°, 100%, 66%
XYZ	16.3031, 8.3867, 1.5701
YIQ	52.8540, 92.7450, 42.7690

Conversions

Conversions Part 2

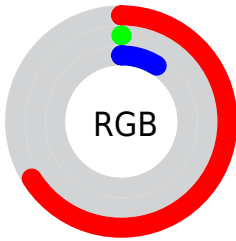
Format	Color
RYB	168, 0, 23
Decimal	11010071
CIELab	34.78, 58.95, 38.86
CIElCh	35, 70.608, 33.396
Yxy	8.3867, 0.6208, 0.3194
Android (android.graphics.Color)	4289200151 (0xFFA80017)
YUV	52.8540, -14.7180, 100.9830
Hunter-Lab	28.9598, 49.8080, 17.0574

Details

The XYZ color **16.3031, 8.3867, 1.5701** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **19.1159, 30.0504, 31.5922**, and the grayscale version is **3.3774, 3.5533, 3.8696**.

A 20% lighter version of the original color is **36.6220, 22.7019, 7.7619**, and **5.9439, 3.0642, 0.2782** is the 20% darker color. If you saturate the color by 10%, you get **16.3027, 8.3865, 1.5688**, and if you desaturate by 10%, it is **16.6880, 8.8571, 2.6219**.

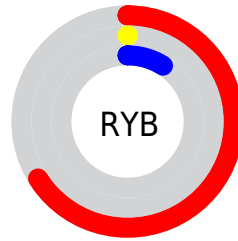
Distribution



Red (66%)

Green (0%)

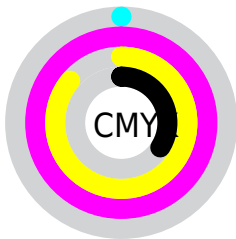
Blue (9%)



Red (66%)

Yellow (0%)

Blue (9%)

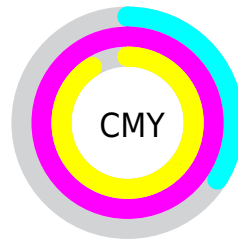


Cyan (0%)

Magenta (100%)

Yellow (86%)

Black (34%)



Cyan (34%)

Magenta (100%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.3031, 8.3867, 1.5701 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 16.3031, 8.3867, 1.5701 by changing the saturation by 10% instead.

■ 16.3031, 8.3867,
1.5701

■ 16.3031, 8.3867,
1.5701

224.3591,
178.7344, 115.2973

■ 9.8311, 4.3434,
0.2693

■ 36.6768, 22.7131,
7.8282

■ 5.3485, 1.8674,
0.0000

■ 51.3092, 33.7650,
13.7761

■ 2.4900, 0.5287,
0.0000

■ 69.3925, 47.9218,
22.1615

■ 0.8902, 0.0000,
0.0000

■ 91.2920, 65.5680,
33.4027


■ 0.0000, 0.0000,
0.0000


■ 117.3730, 87.0880,
47.9183


■ 148.0010,


112.8661, 66.1269


 183.5412,
143.2868, 88.4471


 16.3031, 8.3867,
1.5701


 16.3031, 8.3867,
1.5701


 16.3027, 8.3865,
1.5688

 16.6880, 8.8571,
2.6219

 17.3297, 9.6956,
4.2074

 18.3057, 11.0421,
6.3995

 19.6546, 12.9605,
9.2521

 21.4097, 15.5053,
12.8132

■ 23.6005, 18.7248,
17.1263

■ 26.2539, 22.6625,
22.2311

■ 29.3943, 27.3581,
28.1648

■ 33.0446, 32.8485,
34.9620

Harmonies

Analogous

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



18.4192, 8.3867, 7.8844



16.3031, 8.3867, 1.5701



11.9494, 8.3867, 0.0000

Triad

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



16.3031, 8.3867, 1.5701



2.8717, 8.3867, 2.3805



8.4371, 8.3867, 53.7118

Complementary

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



16.3031, 8.3867, 1.5701



19.1159, 30.0504, 31.5922

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.



4.9915, 8.3867, 46.5588



16.3031, 8.3867, 1.5701



2.4839, 8.3867, 10.5040

Square

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



16.3031, 8.3867, 1.5701



4.4342, 8.3867, 0.0705



3.1093, 8.3867, 27.4912



13.0165, 8.3867, 42.7882

Rectangle

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



16.3031, 8.3867, 1.5701



8.8919, 8.3867, 0.0000



3.1093, 8.3867, 27.4912



7.1165, 8.3867, 53.3612

Sweetspot

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



16.3033, 8.3872, 1.5702



47.3454, 40.6831, 39.7766



18.3619, 8.6499, 37.7473



9.8779, 8.2109, 7.8244



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.



16.3033, 8.3872, 1.5702



29.5380, 15.2003, 2.6048



17.7031, 11.4341, 1.2748



7.5713, 7.5584, 8.0599



12.3230, 6.3379, 1.2463



0.3120, 0.1591, 0.0944

Inverse Universe

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



16.3033, 8.3872, 1.5702



29.5380, 15.2003, 2.6048



12.5592, 13.8093, 39.0490



7.5713, 7.5584, 8.0599



12.3230, 6.3379, 1.2463



0.3120, 0.1591, 0.0944

Previews

White Background



This preview shows how the XYZ color 16.3031, 8.3867, 1.5701 looks on a white background.

Color Contrast Check

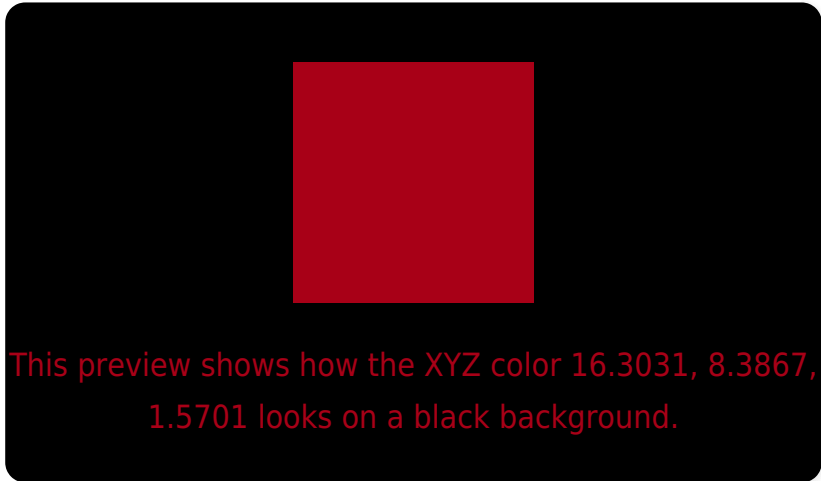
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.3031, 8.3867, 1.5701

Background



This preview shows how black text looks on a background with the XYZ color 16.3031, 8.3867, 1.5701.



This preview shows how white text looks on a background with the XYZ color 16.3031, 8.3867,

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

16.3031, 8.3867, 1.5701

Protanopia

8.2308, 9.0232, 3.2273

Deuteranopia

9.0058, 9.0107, 1.2646



Tritanopia

16.1072, 8.5571, 0.8028

Trichromacy



Original Color

16.3031, 8.3867, 1.5701

Protanomaly

9.4788, 6.8131, 2.2543

Deuteranomaly

10.3251, 7.1406, 1.0638

Tritanomaly

16.0887, 8.4501, 1.0128

Monochromacy



Original Color

16.3031, 8.3867, 1.5701

Achromatopsia

3.3839, 3.5601, 3.8770

Achromatomaly

5.7093, 3.7441, 2.6123

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.3031, 8.3867, 1.5701 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, 23)` looks like.

```
.text, #text, p{  
  color:rgb(168, 0, 23)  
}
```

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, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 0, 23) }
```

Border

The CSS property to change the border of an element to XYZ 16.3031, 8.3867, 1.5701 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, 23) }
```


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

```
.border{ border-color:rgb(168, 0, 23) }
```

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, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 0, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 0, 23);  
box-shadow:4px 4px 4px 4px rgb(168, 0, 23)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.3031, 8.3867, 1.5701 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, 23) }
```

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

```
.background{ background-color: rgb(168, 0,  
23) }
```

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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