

Converting Colors

XYZ(16.3875, 8.7080, 0.8171)

Have a look what the booklet for
XYZ(16.3875, 8.7080, 0.8171)
contains.

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Color

**XYZ(16.3193, 8.6665,
0.8127)**

Conversions

Conversions Part 1

Format	Color
Hex	A80F00
RGB	168, 15, 0
RGB Percent	66%, 6%, 0%
CMY	0.3412, 0.9411, 1.0000
CMYK	0.00, 0.91, 1.00, 0.34
HSL	5°, 100%, 33%
HSV	5°, 100%, 66%
XYZ	16.3193, 8.6665, 0.8127
YIQ	59.0370, 96.0030, 27.7710

Conversions

Conversions Part 2

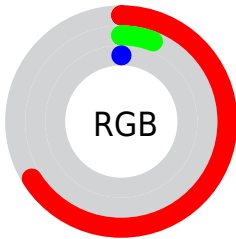
Format	Color
R_{YB}	168, 16, 0
Decimal	11013888
CIE Lab	35.33, 56.63, 49.30
CIE LCh	35, 75.084, 41.038
Yxy	8.6665, 0.6326, 0.3359
Android (android.graphics.Color)	4289203968 (0xFFA80F00)
YUV	59.0370, -29.1052, 95.5606
Hunter-Lab	29.4389, 47.4324, 18.9705

Details

The XYZ color **16.3193, 8.6665, 0.8127** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **18.4556, 25.6026, 41.0146**, and the grayscale version is **4.1931, 4.4114, 4.8040**.

A 20% lighter version of the original color is **36.7755, 23.2624, 5.4575**, and **5.9439, 3.0642, 0.2782** is the 20% darker color. If you saturate the color by 10%, you get **16.3195, 8.6670, 0.8128**, and if you desaturate by 10%, it is **16.7204, 9.3095, 1.4378**.

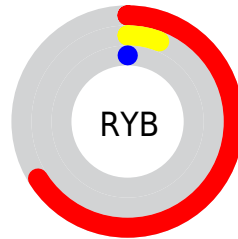
Distribution



Red (66%)

Green (6%)

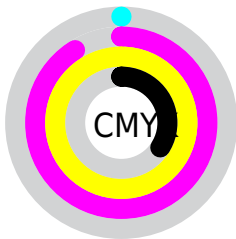
Blue (0%)



Red (66%)

Yellow (6%)

Blue (0%)

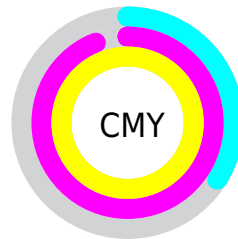


Cyan (0%)

Magenta (91%)

Yellow (100%)

Black (34%)



Cyan (34%)


Magenta (94%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.3193, 8.6665, 0.8127 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 16.3193, 8.6665, 0.8127 by changing the saturation by 10% instead.


 16.3193, 8.6665,
0.8127


 16.3193, 8.6665,
0.8127


 224.4521,
180.8701, 99.9643


 9.8427, 4.5243,
0.0000


 36.7046, 23.2551,
5.4470


 5.3562, 1.9710,
0.0000

 51.3440, 34.4702,
10.2343


 2.4946, 0.5905,
0.0000

 69.4351, 48.8118,
17.2292

 0.8926, 0.0000,
0.0000

 91.3431, 66.6642,
26.8500


 0.0000, 0.0000,
0.0000


 117.4334, 88.4119,
39.5154


 148.0715,

114.4391, 55.6439


 183.6226,
145.1304, 75.6540


 16.3193, 8.6665,
0.8127


 16.3193, 8.6665,
0.8127

 16.3195, 8.6670,
0.8128

 16.7204, 9.3095,
1.4378

 17.3935, 10.3623,
2.5668

 18.3970, 11.8871,
4.3880

 19.7667, 13.9308,
6.9890

 21.5336, 16.5348,
10.4443

■ 23.7254, 19.7361,
14.8199

■ 26.3674, 23.5687,
20.1750

■ 29.4828, 28.0639,
26.5641

■ 33.0932, 33.2510,
34.0377

Harmonies

Analogous

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



19.5132, 8.6665, 5.5448



16.3193, 8.6665, 0.8127



11.2736, 8.6665, 0.0000

Triad

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



16.3193, 8.6665, 0.8127



2.5796, 8.6665, 3.5861



9.9492, 8.6665, 58.0813

Complementary

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



16.3193, 8.6665, 0.8127



18.4556, 25.6026, 41.0146

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.



5.8018, 8.6665, 55.2437



16.3193, 8.6665, 0.8127



2.4437, 8.6665, 14.8214

Square

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



16.3193, 8.6665, 0.8127



3.8672, 8.6665, 0.2997



3.3930, 8.6665, 35.6165



15.0605, 8.6665, 41.6141

Rectangle

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



16.3193, 8.6665, 0.8127



8.0863, 8.6665, 0.0000



3.3930, 8.6665, 35.6165



8.3900, 8.6665, 59.5727

Sweetspot

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



16.3195, 8.6671, 0.8128



47.5615, 42.3549, 36.0269



21.9811, 10.6579, 31.4703



9.9272, 8.5953, 6.9594



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.



16.3195, 8.6671, 0.8128



29.5471, 15.5932, 1.4525



20.5160, 17.0602, 2.2117



7.5831, 7.6462, 7.8655



12.3415, 6.5802, 0.6196



0.3165, 0.1925, 0.0205

Inverse Universe

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



18.4556, 25.6026, 41.0146



33.4088, 46.2964, 74.4004



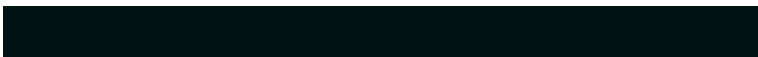
9.2580, 7.2075, 37.9488



7.6894, 8.4156, 9.6375



13.9562, 19.3726, 30.9792



0.3556, 0.5035, 0.7591

Previews

White Background



This preview shows how the XYZ color 16.3193, 8.6665, 0.8127 looks on a white background.

Color Contrast Check

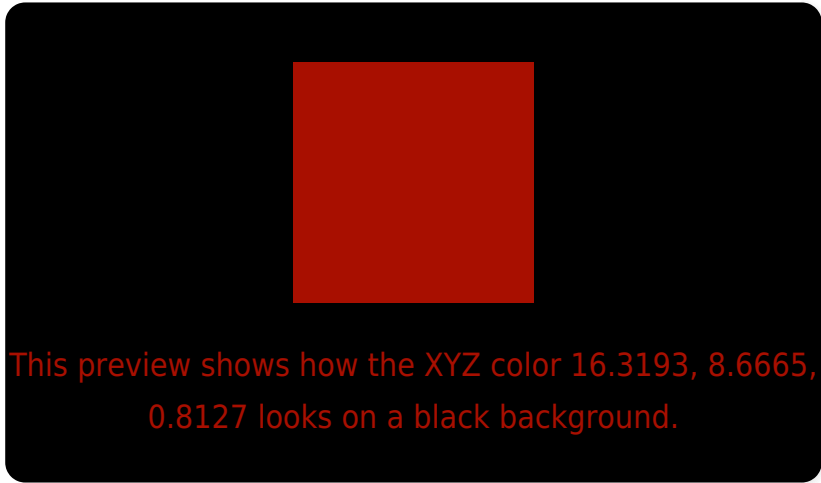
Large Text (above 18pt) WCAG AA ✓ Pass

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

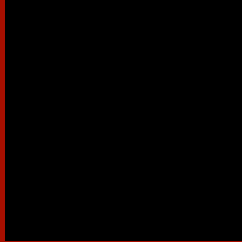
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.3193, 8.6665, 0.8127

Background



This preview shows how black text looks on a background with the XYZ color 16.3193, 8.6665, 0.8127.



This preview shows how white text looks on a background with the XYZ color 16.3193, 8.6665,

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

16.3193, 8.6665, 0.8127

Protanopia

8.2870, 9.1965, 2.0478

Deuteranopia

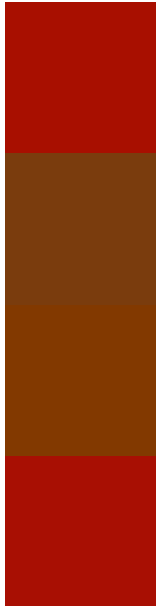
9.1268, 9.0730, 1.2702



Tritanopia

16.3412, 8.6752, 0.9281

Trichromacy



Original Color

16.3193, 8.6665, 0.8127

Protanomaly

9.7145, 7.3984, 1.2968

Deuteranomaly

10.6690, 7.6721, 0.9185

Tritanomaly

16.3357, 8.6731, 0.8992

Monochromacy



Original Color

16.3193, 8.6665, 0.8127

Achromatopsia

4.1570, 4.3735, 4.7627

Achromatomaly

6.3593, 4.5203, 2.3711

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.3193, 8.6665, 0.8127 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, 15, 0)` looks like.

```
.text, #text, p{  
    color:rgb(168, 15, 0)  
}
```

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, 15, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 15, 0) }
```

Border

The CSS property to change the border of an element to XYZ 16.3193, 8.6665, 0.8127 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, 15, 0) }
```


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

```
.border{ border-color:rgb(168, 15, 0) }
```

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

Here you see how a box with a 4 pixel rgb(168, 15, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 15, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 15, 0);  
box-shadow:4px 4px 4px 4px rgb(168, 15, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.3193, 8.6665, 0.8127 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 15, 0) }
```

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

```
.background{ background-color: rgb(168, 15,  
0) }
```

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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