

Converting Colors

XYZ(16.8045, 8.5385, 6.4142)

Have a look what the booklet for
XYZ(16.8045, 8.5385, 6.4142)
contains.

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Color

**XYZ(16.8001, 8.5367,
6.3925)**

Conversions

Conversions Part 1

Format	Color
Hex	A60045
RGB	166, 0, 69
RGB Percent	65%, 0%, 27%
CMY	0.3490, 0.9999, 0.7294
CMYK	0.00, 1.00, 0.58, 0.35
HSL	335°, 100%, 33%
HSV	335°, 100%, 65%
XYZ	16.8001, 8.5367, 6.3925
YIQ	57.5000, 76.7870, 56.6510

Conversions

Conversions Part 2

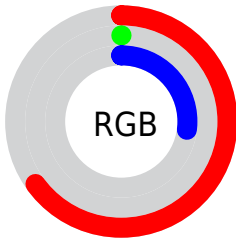
Format	Color
RYB	166, 0, 69
Decimal	10879045
CIELab	35.08, 60.45, 10.33
CIELCh	35, 61.323, 9.699
Yxy	8.5367, 0.5295, 0.2690
Android (android.graphics.Color)	4289069125 (0xFFA60045)
YUV	57.5000, 5.6695, 95.1545
Hunter-Lab	29.2176, 51.5064, 7.4803

Details

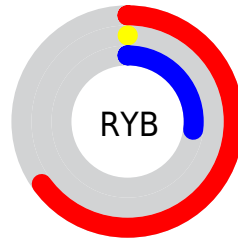
The XYZ color **16.8001, 8.5367, 6.3925** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **15.7954, 28.1361, 15.9140**, and the grayscale version is **3.9425, 4.1478, 4.5170**.

A 20% lighter version of the original color is **37.6138, 23.0640, 19.2990**, and **6.2612, 3.2049, 1.3255** is the 20% darker color. If you saturate the color by 10%, you get **16.7995, 8.5364, 6.3900**, and if you desaturate by 10%, it is **17.3210, 9.0566, 8.1755**.

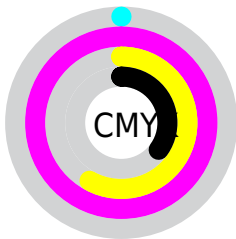
Distribution



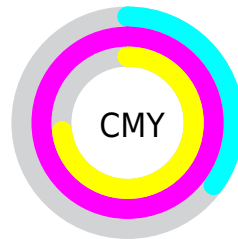
- Red (65%)
- Green (0%)
- Blue (27%)



- Red (65%)
- Yellow (0%)
- Blue (27%)



- Cyan (0%)
- Magenta (100%)
- Yellow (58%)
- Black (35%)




- Cyan (35%)
- Magenta (100%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.8001, 8.5367, 6.3925 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 16.8001, 8.5367, 6.3925 by changing the saturation by 10% instead.


 16.8001, 8.5367,
6.3925


 16.8001, 8.5367,
6.3925


227.1965,
179.8831, 171.9506


 10.1865, 4.4402,
3.0126


 37.5281, 23.0041,
19.2318


 5.5860, 1.9228,
1.1011

 52.3732, 34.1438,
29.5283


 2.6333, 0.5620,
0.0000

 70.6928, 48.4000,
42.9674

 0.9629, 0.0000,
0.0000

 92.8524, 66.1572,
59.9676

 0.0000, 0.0000,
0.0000

 119.2171, 87.7997,
80.9475

 150.1525,

113.7119, 106.3256

186.0239,
144.2782, 136.5204

16.8001, 8.5367,
6.3925

16.8001, 8.5367,
6.3925

16.7995, 8.5364,
6.3900

17.3210, 9.0566,
8.1755

18.0542, 9.9186,
10.2832

19.0686, 11.2572,
12.7491

20.3956, 13.1320,
15.5931

22.0620, 15.5939,
18.8337

■ 24.0917, 18.6876,
22.4876

■ 26.5064, 22.4537,
26.5704

■ 29.3257, 26.9290,
31.0967

■ 32.5683, 32.1481,
36.0807

Harmonies

Analogous

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



16.2788, 8.5367, 17.7911



16.8001, 8.5367, 6.3925



14.5286, 8.5367, 1.5907

Triad

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



16.8001, 8.5367, 6.3925



4.5079, 8.5367, 0.9294



5.9815, 8.5367, 41.9903

Complementary

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



16.8001, 8.5367, 6.3925



15.7954, 28.1361, 15.9140

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.



3.9353, 8.5367, 28.0332



16.8001, 8.5367, 6.3925



3.2714, 8.5367, 4.0545

Square

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



16.8001, 8.5367, 6.3925



7.0244, 8.5367, 0.0021



3.0976, 8.5367, 12.9651



9.3105, 8.5367, 44.5797

Rectangle

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



16.8001, 8.5367, 6.3925



12.0381, 8.5367, 0.5265



3.0976, 8.5367, 12.9651



5.1512, 8.5367, 38.1599

Sweetspot

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



16.8003, 8.5372, 6.3926



47.8358, 40.3252, 47.7763



11.7964, 5.2866, 36.4750



10.2913, 8.3762, 10.0015



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.



16.8003, 8.5372, 6.3926



30.3897, 15.4529, 11.0705



15.8811, 8.4173, 0.7884



7.6556, 7.5921, 8.5034



13.0495, 6.6285, 5.0722



0.3431, 0.1715, 0.2585

Inverse Universe

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



16.8003, 8.5372, 6.3926



30.3897, 15.4529, 11.0705



18.1389, 25.2646, 39.9968



7.6556, 7.5921, 8.5034



13.0495, 6.6285, 5.0722



0.3431, 0.1715, 0.2585

Previews

White Background



This preview shows how the XYZ color 16.8001, 8.5367, 6.3925 looks on a white background.

Color Contrast Check

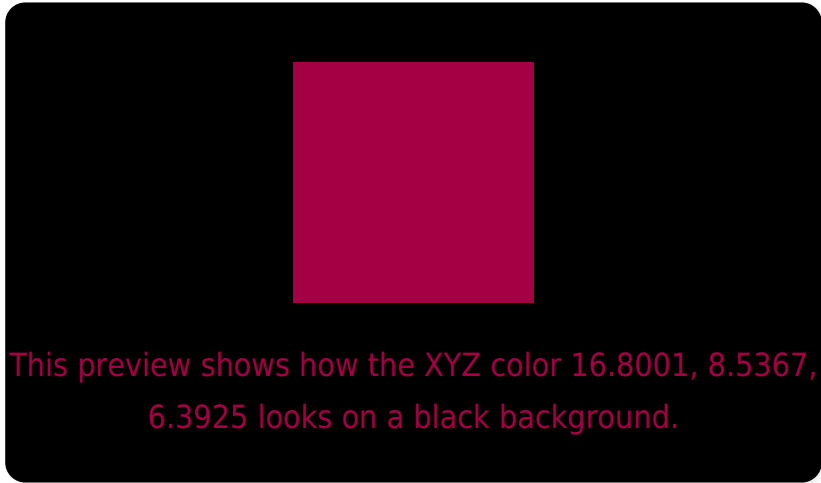
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.8001, 8.5367, 6.3925

Background



This preview shows how black text looks on a background with the XYZ color 16.8001, 8.5367, 6.3925.



This preview shows how white text looks on a background with the XYZ color 16.8001, 8.5367,

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

16.8001, 8.5367, 6.3925

Protanopia

9.0284, 9.2109, 13.3586

Deuteranopia

9.2536, 9.1491, 5.8357



Tritanopia

15.9115, 8.7976, 1.8368

Trichromacy



Original Color

16.8001, 8.5367, 6.3925

Protanomaly

9.9324, 6.8703, 10.2538

Deuteranomaly

10.6396, 7.1976, 5.8295

Tritanomaly

16.1513, 8.5991, 2.9990

Monochromacy



Original Color

16.8001, 8.5367, 6.3925

Achromatopsia

4.0217, 4.2311, 4.6077

Achromatomaly

6.4608, 4.2123, 5.0300

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8001, 8.5367, 6.3925 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(166, 0, 69)` looks like.

```
.text, #text, p{  
    color:rgb(166, 0, 69)  
}
```

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(166, 0, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 0, 69) }
```

Border

The CSS property to change the border of an element to XYZ 16.8001, 8.5367, 6.3925 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(166, 0, 69) }
```


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

```
.border{ border-color:rgb(166, 0, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 0, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 0, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 0, 69);  
box-shadow:4px 4px 4px 4px rgb(166, 0, 69)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.8001, 8.5367, 6.3925 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 0, 69) }
```

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

```
.background{ background-color: rgb(166, 0,  
69) }
```

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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