

Converting Colors

XYZ(16.7741, 8.5825, 3.7165)

Have a look what the booklet for
XYZ(16.7741, 8.5825, 3.7165)
contains.

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Color

**XYZ(16.7028, 8.5466,
3.6750)**

Conversions

Conversions Part 1

Format	Color
Hex	A80031
RGB	168, 0, 49
RGB Percent	66%, 0%, 19%
CMY	0.3412, 0.9999, 0.8078
CMYK	0.00, 1.00, 0.71, 0.34
HSL	343°, 100%, 33%
HSV	343°, 100%, 66%
XYZ	16.7028, 8.5466, 3.6750
YIQ	55.8180, 84.3990, 50.8550

Conversions

Conversions Part 2

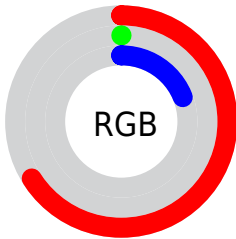
Format	Color
RYB	168, 0, 49
Decimal	11010097
CIELab	35.10, 59.82, 23.46
CIElCh	35, 64.256, 21.417
Yxy	8.5466, 0.5775, 0.2955
Android (android.graphics.Color)	4289200177 (0xFFA80031)
YUV	55.8180, -3.3613, 98.3836
Hunter-Lab	29.2346, 50.8232, 13.0110

Details

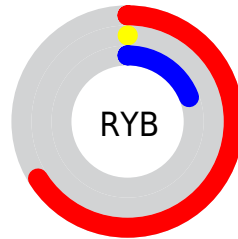
The XYZ color **16.7028, 8.5466, 3.6750** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **17.3344, 29.3378, 22.2109**, and the grayscale version is **3.7340, 3.9285, 4.2781**.

A 20% lighter version of the original color is **37.4231, 23.0980, 13.3124**, and **6.2008, 3.1947, 0.3760** is the 20% darker color. If you saturate the color by 10%, you get **16.7022, 8.5463, 3.6727**, and if you desaturate by 10%, it is **17.1858, 9.0562, 5.2433**.

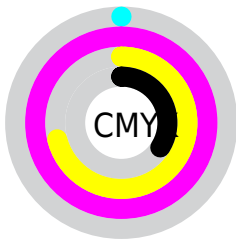
Distribution



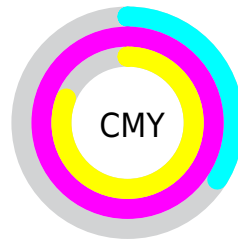
- Red (66%)
- Green (0%)
- Blue (19%)



- Red (66%)
- Yellow (0%)
- Blue (19%)



- Cyan (0%)
- Magenta (100%)
- Yellow (71%)
- Black (34%)




- Cyan (34%)
- Magenta (100%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.7028, 8.5466, 3.6750 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 16.7028, 8.5466, 3.6750 by changing the saturation by 10% instead.

 16.7028, 8.5466,
3.6750


 16.7028, 8.5466,
3.6750


226.6436,
179.9586, 144.5414


 10.1168, 4.4466,
1.4488


 37.3618, 23.0232,
13.2530


 5.5393, 1.9264,
0.1793

 52.1654, 34.1687,
21.4419


 2.6050, 0.5642,
0.0000

 70.4390, 48.4315,
32.4554

 0.9485, 0.0000,
0.0000


 92.5479, 66.1959,
46.7121


 0.0000, 0.0000,
0.0000


 118.8575, 87.8465,
64.6305

 149.7331,


113.7675, 86.6292


 185.5400,
144.3434, 113.1266


 16.7028, 8.5466,
3.6750


 16.7028, 8.5466,
3.6750


 16.7022, 8.5463,
3.6727

 17.1858, 9.0562,
5.2433

 17.9059, 9.9262,
7.2415

 18.9354, 11.2940,
9.7151

 20.3085, 13.2221,
12.6954

 22.0549, 15.7635,
16.2103

■ 24.2006, 18.9650,
20.2857

■ 26.7695, 22.8689,
24.9458

■ 29.7833, 27.5139,
30.2131

■ 33.2625, 32.9359,
36.1090

Harmonies

Analogous

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



17.3767, 8.5466, 12.6877



16.7028, 8.5466, 3.6750



13.4132, 8.5466, 0.7188

Triad

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



16.7028, 8.5466, 3.6750



3.7366, 8.5466, 1.5074



7.1077, 8.5466, 47.4519

Complementary

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



16.7028, 8.5466, 3.6750



17.3344, 29.3378, 22.2109

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.



4.4470, 8.5466, 36.0231



16.7028, 8.5466, 3.6750



2.9261, 8.5466, 6.5855

Square

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



16.7028, 8.5466, 3.6750



5.7939, 8.5466, 0.0484



3.1393, 8.5466, 18.8970



11.0058, 8.5466, 44.0470

Rectangle

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



16.7028, 8.5466, 3.6750



10.6063, 8.5466, 0.0000



3.1393, 8.5466, 18.8970



6.0616, 8.5466, 45.0249

Sweetspot

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



16.7030, 8.5471, 3.6751



48.2916, 41.0616, 44.7588



14.4863, 6.6519, 37.5659



10.0991, 8.2994, 8.9895



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.



16.7030, 8.5471, 3.6751



30.2273, 15.4761, 6.2349



16.7098, 9.4474, 0.9437



7.6177, 7.5770, 8.3042



12.6329, 6.4619, 2.8784



0.3293, 0.1660, 0.1855

Inverse Universe

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



16.7030, 8.5471, 3.6751



30.2273, 15.4761, 6.2349



15.6494, 19.9898, 40.0791



7.6177, 7.5770, 8.3042



12.6329, 6.4619, 2.8784



0.3293, 0.1660, 0.1855

Previews

White Background



This preview shows how the XYZ color 16.7028, 8.5466, 3.6750 looks on a white background.

Color Contrast Check

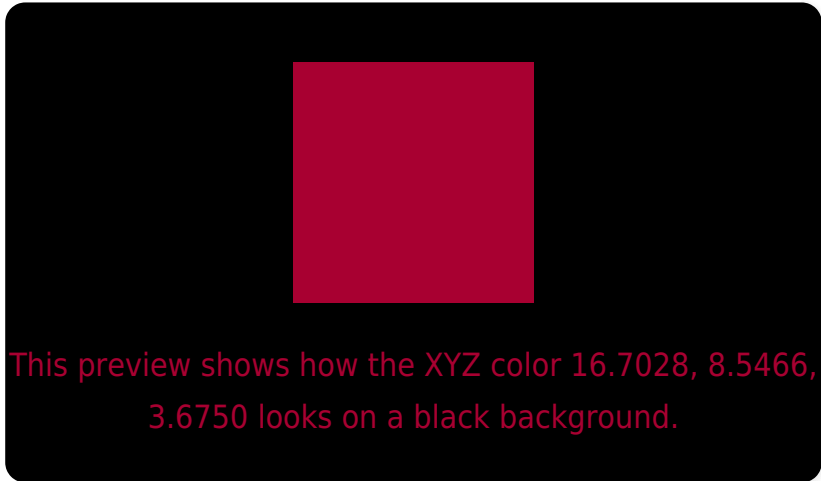
Large Text (above 18pt) WCAG AA ✓ Pass

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

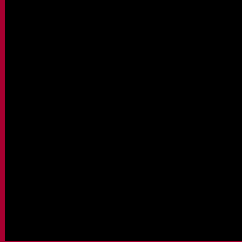
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.7028, 8.5466, 3.6750

Background



This preview shows how black text looks on a background with the XYZ color 16.7028, 8.5466, 3.6750.



This preview shows how white text looks on a background with the XYZ color 16.7028, 8.5466,

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

16.7028, 8.5466, 3.6750

Protanopia

8.6675, 9.1517, 7.6130

Deuteranopia

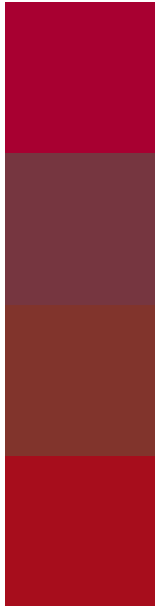
9.2865, 9.1091, 3.3666



Tritanopia

16.2800, 8.7532, 1.3217

Trichromacy



Original Color

16.7028, 8.5466, 3.6750

Protanomaly

9.7158, 6.8601, 5.6625

Deuteranomaly

10.7359, 7.3050, 3.2270

Tritanomaly

16.2899, 8.5872, 1.8975

Monochromacy



Original Color

16.7028, 8.5466, 3.6750

Achromatopsia

3.7589, 3.9546, 4.3066

Achromatomaly

6.2032, 4.0602, 3.8249

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7028, 8.5466, 3.6750 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, 49)` looks like.

```
.text, #text, p{  
    color:rgb(168, 0, 49)  
}
```

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, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 0, 49) }
```

Border

The CSS property to change the border of an element to XYZ 16.7028, 8.5466, 3.6750 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, 49) }
```


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

```
.border{ border-color:rgb(168, 0, 49) }
```

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, 49) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 0, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 0, 49);  
box-shadow:4px 4px 4px 4px rgb(168, 0, 49)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.7028, 8.5466, 3.6750 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, 49) }
```

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

```
.background{ background-color: rgb(168, 0,  
49) }
```

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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