

Converting Colors

XYZ(17.0637, 8.6983, 5.2414)

Have a look what the booklet for
XYZ(17.0637, 8.6983, 5.2414)
contains.

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Color

**XYZ(16.9908, 8.6618,
5.1913)**

Conversions

Conversions Part 1

Format	Color
Hex	A8003D
RGB	168, 0, 61
RGB Percent	66%, 0%, 24%
CMY	0.3412, 0.9999, 0.7608
CMYK	0.00, 1.00, 0.64, 0.34
HSL	338°, 100%, 33%
HSV	338°, 100%, 66%
XYZ	16.9908, 8.6618, 5.1913
YIQ	57.1860, 80.5470, 54.5870

Conversions

Conversions Part 2

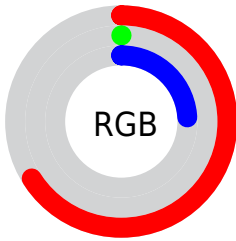
Format	Color
RYB	168, 0, 61
Decimal	11010109
CIELab	35.32, 60.43, 15.97
CIElCh	35, 62.509, 14.802
Yxy	8.6618, 0.5509, 0.2808
Android (android.graphics.Color)	4289200189 (0xFFA8003D)
YUV	57.1860, 1.8803, 97.1839
Hunter-Lab	29.4309, 51.5459, 10.1435

Details

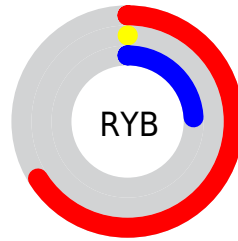
The XYZ color **16.9908, 8.6618, 5.1913** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **16.6582, 29.0674, 18.6501**, and the grayscale version is **3.9057, 4.1090, 4.4748**.

A 20% lighter version of the original color is **37.7443, 23.1895, 16.6740**, and **6.3106, 3.2387, 0.9543** is the 20% darker color. If you saturate the color by 10%, you get **16.9902, 8.6615, 5.1888**, and if you desaturate by 10%, it is **17.5062, 9.1844, 6.9302**.

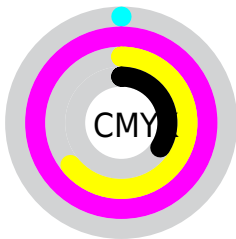
Distribution



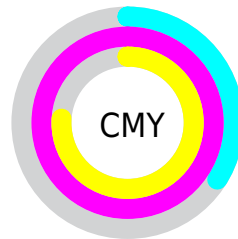
- Red (66%)
- Green (0%)
- Blue (24%)



- Red (66%)
- Yellow (0%)
- Blue (24%)



- Cyan (0%)
- Magenta (100%)
- Yellow (64%)
- Black (34%)





- Cyan (34%)
- Magenta (100%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.9908, 8.6618, 5.1913 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 16.9908, 8.6618, 5.1913 by changing the saturation by 10% instead.

 16.9908, 8.6618,
5.1913

 16.9908, 8.6618,
5.1913


228.2766,
180.8345, 160.6668

 10.3232, 4.5213,
2.2992


 37.8537, 23.2460,
16.6754


 5.6777, 1.9692,
0.7308

 52.7797, 34.4584,
26.1046


 2.6889, 0.5895,
0.0000

 71.1892, 48.7969,
38.5499

 0.9915, 0.0000,
0.0000

 93.4475, 66.6459,
54.4298

 0.0000, 0.0000,
0.0000

 119.9201, 88.3898,
74.1629

 150.9722,

114.4129, 98.1677

186.9693,
145.0997, 126.8629

16.9908, 8.6618,
5.1913

16.9908, 8.6618,
5.1913

16.9902, 8.6615,
5.1888

17.5062, 9.1844,
6.9302

18.2482, 10.0631,
9.0441

19.2878, 11.4350,
11.5711

20.6580, 13.3618,
14.5358

22.3872, 15.8963,
17.9603

■ 24.5005, 19.0849,
21.8651

■ 27.0208, 22.9693,
26.2693

■ 29.9690, 27.5880,
31.1908

■ 33.3645, 32.9766,
36.6465

Harmonies

Analogous

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



16.9705, 8.6618, 15.7011



16.9908, 8.6618, 5.1913



14.2436, 8.6618, 1.1948

Triad

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



16.9908, 8.6618, 5.1913



4.2294, 8.6618, 1.1703



6.5354, 8.6618, 44.8536

Complementary

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



16.9908, 8.6618, 5.1913



16.6582, 29.0674, 18.6501

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.



4.2075, 8.6618, 31.6878



16.9908, 8.6618, 5.1913



3.1677, 8.6618, 5.1020

Square

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



16.9908, 8.6618, 5.1913



6.5755, 8.6618, 0.0329



3.1610, 8.6618, 15.5140



10.1474, 8.6618, 44.9550

Rectangle

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



16.9908, 8.6618, 5.1913



11.5757, 8.6618, 0.3037



3.1610, 8.6618, 15.5140



5.6047, 8.6618, 41.5371

Sweetspot

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



16.9910, 8.6623, 5.1914



48.7535, 41.2464, 47.1915



13.0609, 5.9171, 37.4994



10.2082, 8.3430, 9.5639



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.



16.9910, 8.6623, 5.1914



30.7371, 15.6800, 8.9195



16.4436, 8.9150, 0.8549



7.6395, 7.5856, 8.4186



12.8532, 6.5500, 4.0384



0.3373, 0.1692, 0.2275

Inverse Universe

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



16.9910, 8.6623, 5.1914



30.7371, 15.6800, 8.9195



17.2861, 23.2631, 40.6248



7.6395, 7.5856, 8.4186



12.8532, 6.5500, 4.0384



0.3373, 0.1692, 0.2275

Previews

White Background



This preview shows how the XYZ color 16.9908, 8.6618, 5.1913 looks on a white background.

Color Contrast Check

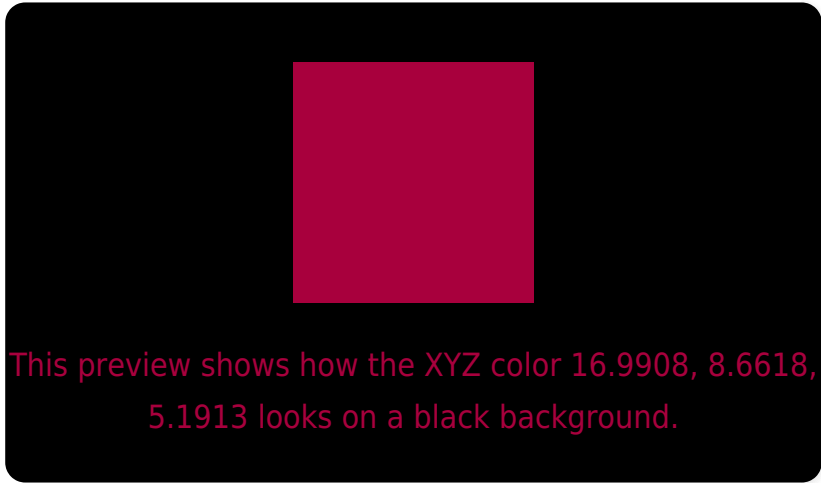
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.9908, 8.6618, 5.1913

Background



This preview shows how black text looks on a background with the XYZ color 16.9908, 8.6618, 5.1913.



This preview shows how white text looks on a background with the XYZ color 16.9908, 8.6618,

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

16.9908, 8.6618, 5.1913

Protanopia

9.0614, 9.4031, 10.7886

Deuteranopia

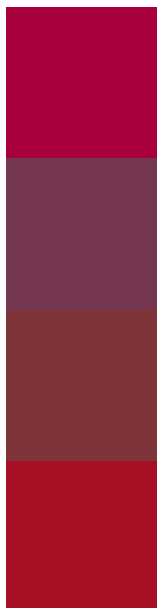
9.3921, 9.2440, 4.7793



Tritanopia

16.4288, 8.9687, 1.6243

Trichromacy



Original Color

16.9908, 8.6618, 5.1913

Protanomaly

9.9799, 7.0099, 8.2242

Deuteranomaly

10.7189, 7.2634, 4.7079

Tritanomaly

16.4401, 8.7134, 2.4844

Monochromacy



Original Color

16.9908, 8.6618, 5.1913

Achromatopsia

3.8890, 4.0915, 4.4557

Achromatomaly

6.3244, 4.1086, 4.4627

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.9908, 8.6618, 5.1913 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, 61)` looks like.

```
.text, #text, p{  
    color:rgb(168, 0, 61)  
}
```

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, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 0, 61) }
```

Border

The CSS property to change the border of an element to XYZ 16.9908, 8.6618, 5.1913 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, 61) }
```


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

```
.border{ border-color:rgb(168, 0, 61) }
```

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, 61) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 0, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 0, 61);  
box-shadow:4px 4px 4px 4px rgb(168, 0, 61)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.9908, 8.6618, 5.1913 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, 61) }
```

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

```
.background{ background-color: rgb(168, 0,  
61) }
```

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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