

Converting Colors

XYZ(16.5958, 8.4662, 4.8085)

Have a look what the booklet for
XYZ(16.5958, 8.4662, 4.8085)
contains.

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Color

**XYZ(16.4896, 8.4125,
4.7577)**

Conversions

Conversions Part 1

Format	Color
Hex	A6003A
RGB	166, 0, 58
RGB Percent	65%, 0%, 23%
CMY	0.3490, 0.9999, 0.7725
CMYK	0.00, 1.00, 0.65, 0.35
HSL	339°, 100%, 33%
HSV	339°, 100%, 65%
XYZ	16.4896, 8.4125, 4.7577
YIQ	56.2460, 80.3180, 53.2300

Conversions

Conversions Part 2

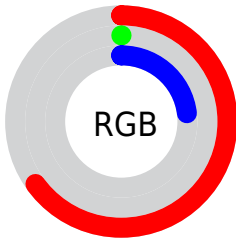
Format	Color
R_YB	166, 0, 58
Decimal	10879034
CIE Lab	34.83, 59.78, 17.19
CIE LCh	35, 62.203, 16.043
Yxy	8.4125, 0.5560, 0.2836
Android (android.graphics.Color)	4289069114 (0xFFA6003A)
YUV	56.2460, 0.8647, 96.2543
Hunter-Lab	29.0043, 50.7237, 10.5774

Details

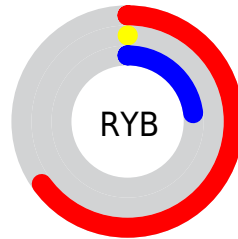
The XYZ color **16.4896, 8.4125, 4.7577** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **16.3447, 28.3557, 18.8065**, and the grayscale version is **3.7842, 3.9813, 4.3356**.

A 20% lighter version of the original color is **36.8822, 22.6586, 15.7942**, and **6.0374, 3.1016, 0.7707** is the 20% darker color. If you saturate the color by 10%, you get **16.4890, 8.4122, 4.7553**, and if you desaturate by 10%, it is **16.9885, 8.9236, 6.4251**.

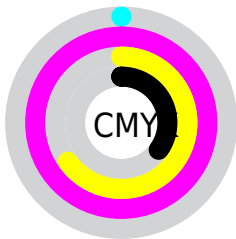
Distribution



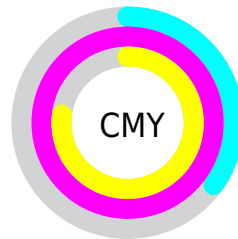
- Red (65%)
- Green (0%)
- Blue (23%)



- Red (65%)
- Yellow (0%)
- Blue (23%)



- Cyan (0%)
- Magenta (100%)
- Yellow (65%)
- Black (35%)





- Cyan (35%)
- Magenta (100%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.4896, 8.4125, 4.7577 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 16.4896, 8.4125, 4.7577 by changing the saturation by 10% instead.


 16.4896, 8.4125,
4.7577


 16.4896, 8.4125,
4.7577

225.4277,
178.9326, 156.3078


 9.9643, 4.3600,
2.0496


 36.9967, 22.7632,
15.7226


 5.4374, 1.8769,
0.5855

 51.7093, 33.8303,
24.8165


 2.5435, 0.5344,
0.0000

 69.8816, 48.0042,
36.8761

 0.9172, 0.0000,
0.0000

 91.8791, 65.6696,
52.3198

 0.0000, 0.0000,
0.0000

 118.0671, 87.2107,
71.5664

 148.8110,

113.0120, 95.0342

184.4761,
143.4578, 123.1418

16.4896, 8.4125,
4.7577

16.4896, 8.4125,
4.7577

16.4890, 8.4122,
4.7553

16.9885, 8.9236,
6.4251

17.7093, 9.7807,
8.4674

18.7218, 11.1185,
10.9230

20.0582, 12.9971,
13.8167

21.7462, 15.4677,
17.1713

■ 23.8106, 18.5753,
21.0072

■ 26.2735, 22.3606,
25.3440

■ 29.1554, 26.8610,
30.1998

■ 32.4754, 32.1110,
35.5918

Harmonies

Analogous

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



16.5938, 8.4125, 14.7157



16.4896, 8.4125, 4.7577



13.7160, 8.4125, 1.0713

Triad

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



16.4896, 8.4125, 4.7577



4.0269, 8.4125, 1.1959



6.4631, 8.4125, 44.1222

Complementary

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



16.4896, 8.4125, 4.7577



16.3447, 28.3557, 18.8065

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.



4.1389, 8.4125, 31.5968



16.4896, 8.4125, 4.7577



3.0402, 8.4125, 5.2147

Square

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



16.4896, 8.4125, 4.7577



6.2575, 8.4125, 0.0187



3.0740, 8.4125, 15.6766



10.0295, 8.4125, 43.6002

Rectangle

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



16.4896, 8.4125, 4.7577



11.0924, 8.4125, 0.2240



3.0740, 8.4125, 15.6766



5.5369, 8.4125, 41.0463

Sweetspot

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



16.4898, 8.4130, 4.7578



47.4074, 40.1538, 45.5204



13.0565, 5.9362, 36.5338



10.1870, 8.3345, 9.4519



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.



16.4898, 8.4130, 4.7578



29.8354, 15.2312, 8.1520



16.0719, 8.7990, 0.8521



7.6353, 7.5840, 8.3966



12.8069, 6.5315, 3.7946



0.3357, 0.1686, 0.2195

Inverse Universe

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



16.4898, 8.4130, 4.7578



29.8354, 15.2312, 8.1520



16.4234, 21.8337, 39.4248



7.6353, 7.5840, 8.3966



12.8069, 6.5315, 3.7946



0.3357, 0.1686, 0.2195

Previews

White Background



This preview shows how the XYZ color 16.4896, 8.4125, 4.7577 looks on a white background.

Color Contrast Check

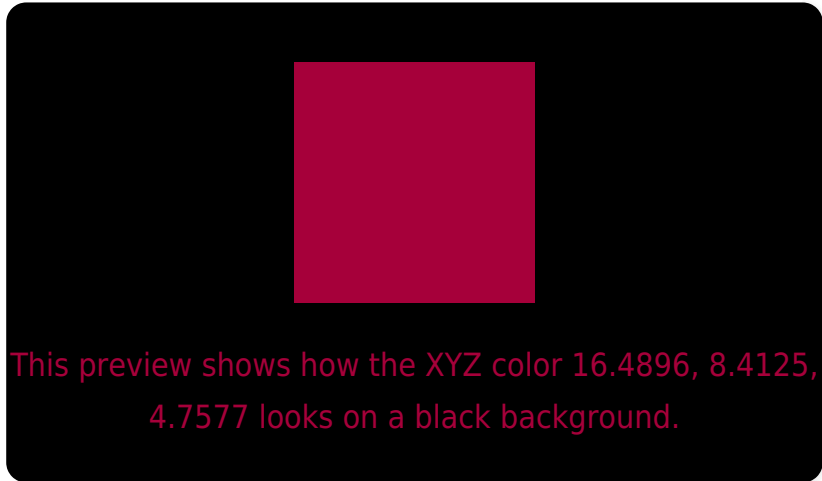
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.4896, 8.4125, 4.7577

Background



This preview shows how black text looks on a background with the XYZ color 16.4896, 8.4125, 4.7577.



This preview shows how white text looks on a background with the XYZ color 16.4896, 8.4125,

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

16.4896, 8.4125, 4.7577

Protanopia

8.7259, 9.1313, 9.8969

Deuteranopia

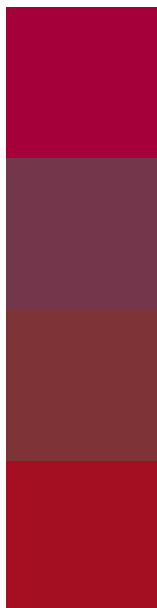
9.1335, 9.0074, 4.3892



Tritanopia

15.9588, 8.6663, 1.5411

Trichromacy



Original Color

16.4896, 8.4125, 4.7577

Protanomaly

9.6594, 6.7912, 7.4583

Deuteranomaly

10.4980, 7.1579, 4.3183

Tritanomaly

15.9766, 8.4565, 2.3036

Monochromacy



Original Color

16.4896, 8.4125, 4.7577

Achromatopsia

3.7589, 3.9546, 4.3066

Achromatomaly

6.1933, 4.0440, 4.3250

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.4896, 8.4125, 4.7577 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, 58)` looks like.

```
.text, #text, p{  
    color:rgb(166, 0, 58)  
}
```

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, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 0, 58) }
```

Border

The CSS property to change the border of an element to XYZ 16.4896, 8.4125, 4.7577 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, 58) }
```


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

```
.border{ border-color:rgb(166, 0, 58) }
```

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, 58) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 0, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 0, 58);  
box-shadow:4px 4px 4px 4px rgb(166, 0, 58)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.4896, 8.4125, 4.7577 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, 58) }
```

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

```
.background{ background-color: rgb(166, 0,  
58) }
```

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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