

Converting Colors

XYZ(16.5824, 8.4435, 5.5194)

Have a look what the booklet for
XYZ(16.5824, 8.4435, 5.5194)
contains.

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Color

**XYZ(16.6231, 8.4659,
5.4606)**

Conversions

Conversions Part 1

Format	Color
Hex	A6003F
RGB	166, 0, 63
RGB Percent	65%, 0%, 25%
CMY	0.3490, 0.9999, 0.7529
CMYK	0.00, 1.00, 0.62, 0.35
HSL	337°, 100%, 33%
HSV	337°, 100%, 65%
XYZ	16.6231, 8.4659, 5.4606
YIQ	56.8160, 78.7130, 54.7850

Conversions

Conversions Part 2

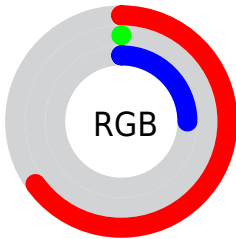
Format	Color
R_{YB}	166, 0, 63
Decimal	10879039
CIE _{Lab}	34.93, 60.07, 14.06
CIE _{LCh}	35, 61.693, 13.178
Yxy	8.4659, 0.5441, 0.2771
Android (android.graphics.Color)	4289069119 (0xFFA6003F)
YUV	56.8160, 3.0487, 95.7544
Hunter-Lab	29.0962, 51.0613, 9.2402

Details

The XYZ color **16.6231, 8.4659, 5.4606** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **16.0860, 28.2523, 17.4443**, and the grayscale version is **3.8557, 4.0565, 4.4175**.

A 20% lighter version of the original color is **37.2174, 22.9055, 17.2115**, and **6.0887, 3.1221, 1.0408** is the 20% darker color. If you saturate the color by 10%, you get **16.6225, 8.4656, 5.4581**, and if you desaturate by 10%, it is **17.1332, 8.9814, 7.1865**.

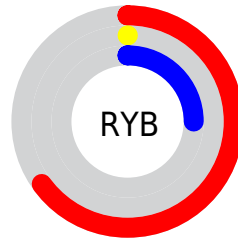
Distribution



Red (65%)

Green (0%)

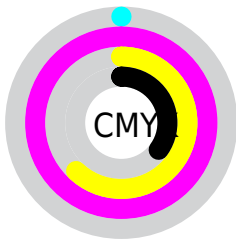
Blue (25%)



Red (65%)

Yellow (0%)

Blue (25%)

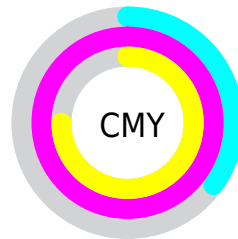


Cyan (0%)

Magenta (100%)

Yellow (62%)

Black (35%)



Cyan (35%)


Magenta (100%)


Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.6231, 8.4659, 5.4606 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 16.6231, 8.4659, 5.4606 by changing the saturation by 10% instead.

 16.6231, 8.4659,
5.4606


 16.6231, 8.4659,
5.4606


226.1898,
179.3420, 163.2910


 10.0598, 4.3945,
2.4565


 37.2254, 22.8669,
17.2585


 5.5012, 1.8966,
0.8170

 51.9951, 33.9652,
26.8895


 2.5820, 0.5463,
0.0000

 70.2309, 48.1746,
39.5665

 0.9368, 0.0000,
0.0000

 92.2982, 65.8795,
55.7080

 0.0000, 0.0000,
0.0000

 118.5624, 87.4643,
75.7327

 149.3888,

113.3134, 100.0591

185.1428,
143.8112, 129.1057

16.6231, 8.4659,
5.4606

16.6231, 8.4659,
5.4606

16.6225, 8.4656,
5.4581

17.1332, 8.9814,
7.1865

17.8607, 9.8412,
9.2645

18.8751, 11.1798,
11.7305

20.2083, 13.0572,
14.6070

21.8874, 15.5241,
17.9146

■ 23.9368, 18.6257,
21.6720

■ 26.3784, 22.4025,
25.8967

■ 29.2324, 26.8918,
30.6054

■ 32.5175, 32.1278,
35.8135

Harmonies

Analogous

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



16.4426, 8.4659, 16.0607



16.6231, 8.4659, 5.4606



14.0761, 8.4659, 1.2909

Triad

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



16.6231, 8.4659, 5.4606



4.2403, 8.4659, 1.0693



6.2388, 8.4659, 43.1205

Complementary

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



16.6231, 8.4659, 5.4606



16.0860, 28.2523, 17.4443

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.



4.0444, 8.4659, 29.9247



16.6231, 8.4659, 5.4606



3.1435, 8.4659, 4.6613

Square

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



16.6231, 8.4659, 5.4606



6.5971, 8.4659, 0.0115



3.0842, 8.4659, 14.3938



9.6941, 8.4659, 44.0212

Rectangle

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



16.6231, 8.4659, 5.4606



11.5119, 8.4659, 0.3620



3.0842, 8.4659, 14.3938



5.3575, 8.4659, 39.6945

Sweetspot

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



16.6233, 8.4664, 5.4607



47.6005, 40.2311, 46.5370



12.4055, 5.6006, 36.5034



10.2339, 8.3533, 9.6992



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.



16.6233, 8.4664, 5.4607



30.0731, 15.3263, 9.4037



15.9655, 8.5861, 0.8166



7.6445, 7.5877, 8.4450



12.9113, 6.5732, 4.3445



0.3391, 0.1699, 0.2372

Inverse Universe

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



16.6233, 8.4664, 5.4607



30.0731, 15.3263, 9.4037



17.2605, 23.5078, 39.7039



7.6445, 7.5877, 8.4450



12.9113, 6.5732, 4.3445



0.3391, 0.1699, 0.2372

Previews

White Background



This preview shows how the XYZ color 16.6231, 8.4659, 5.4606 looks on a white background.

Color Contrast Check

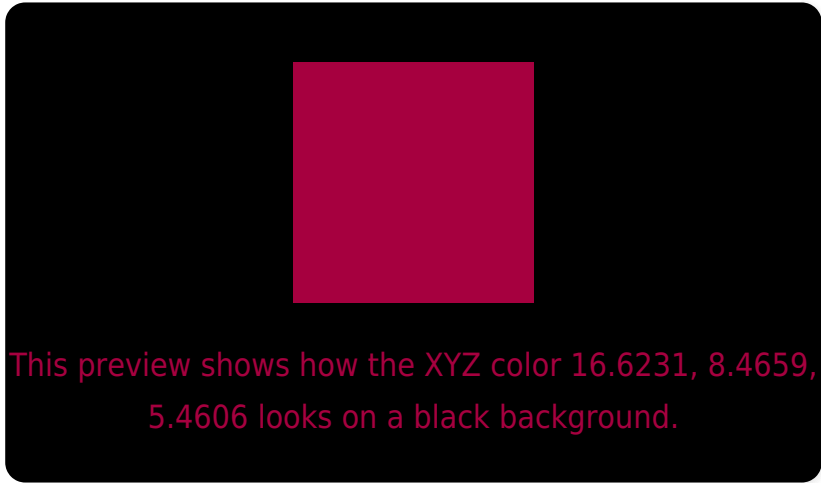
Large Text (above 18pt) WCAG AA ✓ Pass

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

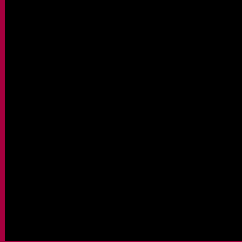
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.6231, 8.4659, 5.4606

Background



This preview shows how black text looks on a background with the XYZ color 16.6231, 8.4659, 5.4606.



This preview shows how white text looks on a background with the XYZ color 16.6231, 8.4659,

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

16.6231, 8.4659, 5.4606

Protanopia

8.9266, 9.2010, 11.4307

Deuteranopia

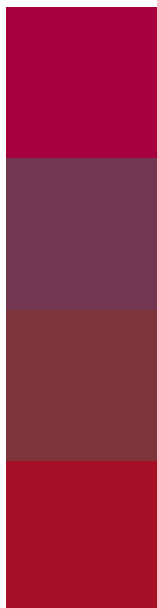
9.1357, 8.9952, 4.9961



Tritanopia

16.0193, 8.7565, 1.6565

Trichromacy



Original Color

16.6231, 8.4659, 5.4606

Protanomaly

9.7438, 6.8098, 8.5855

Deuteranomaly

10.4749, 7.1317, 4.9621

Tritanomaly

16.0522, 8.5099, 2.6302

Monochromacy



Original Color

16.6231, 8.4659, 5.4606

Achromatopsia

3.8890, 4.0915, 4.4557

Achromatomaly

6.3501, 4.1189, 4.5980

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.6231, 8.4659, 5.4606 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, 63)` looks like.

```
.text, #text, p{  
    color:rgb(166, 0, 63)  
}
```

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, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 0, 63) }
```

Border

The CSS property to change the border of an element to XYZ 16.6231, 8.4659, 5.4606 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, 63) }
```


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

```
.border{ border-color:rgb(166, 0, 63) }
```

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, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 0, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 0, 63);  
box-shadow:4px 4px 4px 4px rgb(166, 0, 63)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.6231, 8.4659, 5.4606 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, 63) }
```

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

```
.background{ background-color: rgb(166, 0,  
63) }
```

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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