

Converting Colors

XYZ(15.9912, 8.2075, 2.4050)

Have a look what the booklet for
XYZ(15.9912, 8.2075, 2.4050)
contains.

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Color

**XYZ(16.0443, 8.2344,
2.4128)**

Conversions

Conversions Part 1

Format	Color
Hex	A60024
RGB	166, 0, 36
RGB Percent	65%, 0%, 14%
CMY	0.3490, 0.9999, 0.8588
CMYK	0.00, 1.00, 0.78, 0.35
HSL	347°, 100%, 33%
HSV	347°, 100%, 65%
XYZ	16.0443, 8.2344, 2.4128
YIQ	53.7380, 87.3800, 46.3880

Conversions

Conversions Part 2

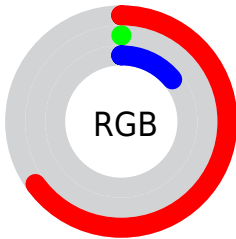
Format	Color
R_{YB}	166, 0, 36
Decimal	10879012
CIE _{Lab}	34.47, 58.80, 30.84
CIE _{LCh}	34, 66.398, 27.671
Yxy	8.2344, 0.6011, 0.3085
Android (android.graphics.Color)	4289069092 (0xFFA60024)
YUV	53.7380, -8.7448, 98.4538
Hunter-Lab	28.6956, 49.5855, 15.1017

Details

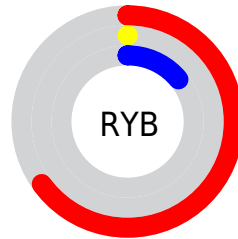
The XYZ color **16.0443, 8.2344, 2.4128** is a dark color, and the websafe version is hex **CC0033**. A complement of this color would be **17.6677, 28.8848, 25.7734**, and the grayscale version is **3.4788, 3.6600, 3.9858**.

A 20% lighter version of the original color is **36.1340, 22.3958, 10.2029**, and **5.8257, 3.0033, 0.2726** is the 20% darker color. If you saturate the color by 10%, you get **16.0438, 8.2341, 2.4109**, and if you desaturate by 10%, it is **16.4749, 8.7182, 3.7204**.

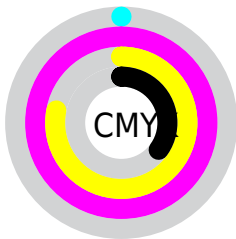
Distribution



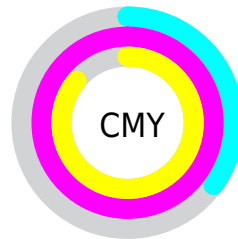
- Red (65%)
- Green (0%)
- Blue (14%)



- Red (65%)
- Yellow (0%)
- Blue (14%)



- Cyan (0%)
- Magenta (100%)
- Yellow (78%)
- Black (35%)





- Cyan (35%)
- Magenta (100%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.0443, 8.2344, 2.4128 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 16.0443, 8.2344, 2.4128 by changing the saturation by 10% instead.


 16.0443, 8.2344,
2.4128


 16.0443, 8.2344,
2.4128


222.8682,
177.5591, 128.4892


 9.6466, 4.2453,
0.7934


 36.2319, 22.4167,
10.1414

 5.2257, 1.8117,
0.0000

 50.7525, 33.3787,
17.0976


 2.4164, 0.4945,
0.0000

 68.7114, 47.4337,
26.6731

 0.8533, 0.0000,
0.0000

 90.4740, 64.9663,
39.2865


 0.0000, 0.0000,
0.0000


 116.4056, 86.3607,
55.3562


 146.8716,

112.0014, 75.3009


 182.2374,
142.2727, 99.5391


 16.0443, 8.2344,
2.4128


 16.0443, 8.2344,
2.4128


 16.0438, 8.2341,
2.4109

 16.4749, 8.7182,
3.7204

 17.1456, 9.5552,
5.4987

 18.1293, 10.8816,
7.8026

 19.4609, 12.7584,
10.6714

 21.1707, 15.2377,
14.1401

■ 23.2854, 18.3655,
18.2412

■ 25.8293, 22.1833,
23.0045

■ 28.8248, 26.7291,
28.4579

■ 32.2926, 32.0383,
34.6277

Harmonies

Analogous

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



17.3937, 8.2344, 9.8261



16.0443, 8.2344, 2.4128



12.3190, 8.2344, 0.2320

Triad

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



16.0443, 8.2344, 2.4128



3.1982, 8.2344, 1.8593



7.5389, 8.2344, 49.0863

Complementary

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



16.0443, 8.2344, 2.4128



17.6677, 28.8848, 25.7734

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.



4.5854, 8.2344, 39.8974



16.0443, 8.2344, 2.4128



2.6275, 8.2344, 8.1574

Square

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



16.0443, 8.2344, 2.4128



4.9478, 8.2344, 0.0434



3.0405, 8.2344, 22.2748



11.6489, 8.2344, 42.1968

Rectangle

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



16.0443, 8.2344, 2.4128



9.4588, 8.2344, 0.0000



3.0405, 8.2344, 22.2748



6.3938, 8.2344, 47.6821

Sweetspot

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



16.0445, 8.2349, 2.4129



46.5909, 39.8272, 41.2206



15.6763, 7.2868, 36.6563



9.9896, 8.2556, 8.4129



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.



16.0445, 8.2349, 2.4129



29.0536, 14.9185, 4.0350



16.6373, 9.9299, 1.0406



7.5952, 7.5679, 8.1855



12.4561, 6.3912, 1.9475



0.3209, 0.1626, 0.1414

Inverse Universe

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



16.0445, 8.2349, 2.4129



29.0536, 14.9185, 4.0350



13.8110, 16.6088, 38.5539



7.5952, 7.5679, 8.1855



12.4561, 6.3912, 1.9475



0.3209, 0.1626, 0.1414

Previews

White Background



This preview shows how the XYZ color 16.0443, 8.2344, 2.4128 looks on a white background.

Color Contrast Check

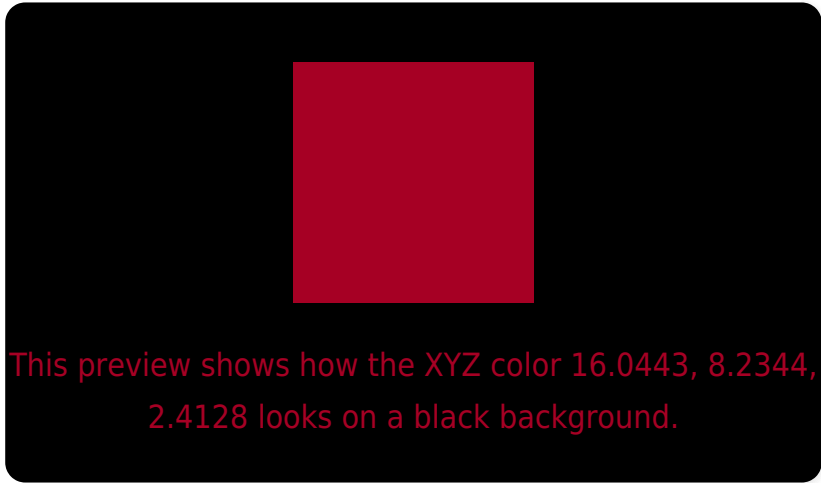
Large Text (above 18pt) WCAG AA ✓ Pass

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

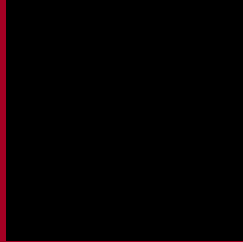
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.0443, 8.2344, 2.4128

Background



This preview shows how black text looks on a background with the XYZ color 16.0443, 8.2344, 2.4128.



This preview shows how white text looks on a background with the XYZ color 16.0443, 8.2344,

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

16.0443, 8.2344, 2.4128

Protanopia

8.1743, 8.8406, 4.8900

Deuteranopia

8.9880, 8.8717, 2.1584



Tritanopia

15.9296, 8.4618, 0.9660

Trichromacy



Original Color

16.0443, 8.2344, 2.4128

Protanomaly

9.2778, 6.6112, 3.5834

Deuteranomaly

10.3077, 7.0456, 1.9791

Tritanomaly

15.9356, 8.3645, 1.3049

Monochromacy



Original Color

16.0443, 8.2344, 2.4128

Achromatopsia

3.5063, 3.6889, 4.0173

Achromatomaly

5.8044, 3.7822, 3.1134

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.0443, 8.2344, 2.4128 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, 36)` looks like.

```
.text, #text, p{  
    color:rgb(166, 0, 36)  
}
```

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, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 0, 36) }
```

Border

The CSS property to change the border of an element to XYZ 16.0443, 8.2344, 2.4128 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, 36) }
```


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

```
.border{ border-color:rgb(166, 0, 36) }
```

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, 36) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 0, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 0, 36);  
box-shadow:4px 4px 4px 4px rgb(166, 0, 36)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.0443, 8.2344, 2.4128 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, 36) }
```

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

```
.background{ background-color: rgb(166, 0,  
36) }
```

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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