

Converting Colors

XYZ(16.5175, 8.4798, 2.3652)

Have a look what the booklet for
XYZ(16.5175, 8.4798, 2.3652)
contains.

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Color

**XYZ(16.4518, 8.4462,
2.3533)**

Conversions

Conversions Part 1

Format	Color
Hex	A80023
RGB	168, 0, 35
RGB Percent	66%, 0%, 14%
CMY	0.3412, 0.9999, 0.8627
CMYK	0.00, 1.00, 0.79, 0.34
HSL	348°, 100%, 33%
HSV	348°, 100%, 66%
XYZ	16.4518, 8.4462, 2.3533
YIQ	54.2220, 88.8930, 46.5010

Conversions

Conversions Part 2

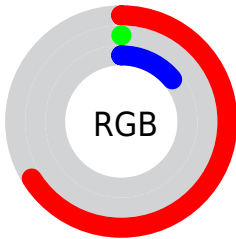
Format	Color
RYB	168, 0, 35
Decimal	11010083
CIELab	34.90, 59.28, 32.04
CIELCh	35, 67.380, 28.393
Yxy	8.4462, 0.6037, 0.3099
Android (android.graphics.Color)	4289200163 (0xFFA80023)
YUV	54.2220, -9.4764, 99.7833
Hunter-Lab	29.0623, 50.1873, 15.5427

Details

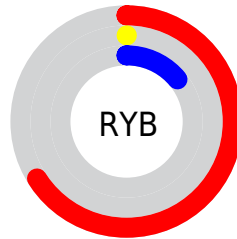
The XYZ color **16.4518, 8.4462, 2.3533** is a dark color, and the websafe version is hex **CC0033**. A complement of this color would be **18.2384, 29.6994, 26.9718**, and the grayscale version is **3.5395, 3.7238, 4.0552**.

A 20% lighter version of the original color is **37.0568, 22.8759, 10.0518**, and **6.0634, 3.1258, 0.2838** is the 20% darker color. If you saturate the color by 10%, you get **16.4513, 8.4460, 2.3515**, and if you desaturate by 10%, it is **16.8859, 8.9363, 3.6641**.

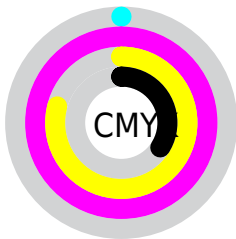
Distribution



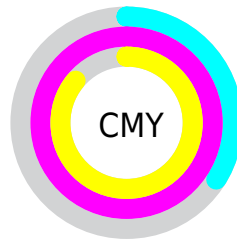
- Red (66%)
- Green (0%)
- Blue (14%)



- Red (66%)
- Yellow (0%)
- Blue (14%)



- Cyan (0%)
- Magenta (100%)
- Yellow (79%)
- Black (34%)



- Cyan (34%)
- Magenta (100%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.4518, 8.4462, 2.3533 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 16.4518, 8.4462, 2.3533 by changing the saturation by 10% instead.


 16.4518, 8.4462,
2.3533


 16.4518, 8.4462,
2.3533


225.2115,
179.1911, 127.6419


 9.9373, 4.3818,
0.7608


 36.9319, 22.8286,
9.9860


 5.4193, 1.8893,
0.0000

 51.6283, 33.9154,
16.8772

 2.5326, 0.5419,
0.0000

 69.7826, 48.1118,
26.3765

 0.9117, 0.0000,
0.0000

 91.7603, 65.8021,
38.9023


 0.0000, 0.0000,
0.0000


 117.9266, 87.3708,
54.8732


 148.6471,


113.2023, 74.7078

 184.2869,
143.6809, 98.8245


 16.4518, 8.4462,
2.3533


 16.4518, 8.4462,
2.3533


 16.4513, 8.4460,
2.3515

 16.8859, 8.9363,
3.6641

 17.5685, 9.7912,
5.4647

 18.5741, 11.1496,
7.8131

 19.9392, 13.0744,
10.7507

 21.6950, 15.6196,
14.3152

■ 23.8692, 18.8325,
18.5405

■ 26.4870, 22.7560,
23.4584

■ 29.5717, 27.4293,
29.0985

■ 33.1447, 32.8889,
35.4886

Harmonies

Analogous

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



17.9246, 8.4462, 9.8035



16.4518, 8.4462, 2.3533



12.5622, 8.4462, 0.1943

Triad

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



16.4518, 8.4462, 2.3533



3.2322, 8.4462, 1.9624



7.8222, 8.4462, 50.7859

Complementary

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



16.4518, 8.4462, 2.3533



18.2384, 29.6994, 26.9718

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.



4.7416, 8.4462, 41.6097



16.4518, 8.4462, 2.3533



2.6715, 8.4462, 8.6150

Square

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



16.4518, 8.4462, 2.3533



4.9991, 8.4462, 0.0622



3.1204, 8.4462, 23.3961



12.0840, 8.4462, 43.2563

Rectangle

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



16.4518, 8.4462, 2.3533



9.6100, 8.4462, 0.0000



3.1204, 8.4462, 23.3961



6.6296, 8.4462, 49.4700

Sweetspot

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



16.4520, 8.4467, 2.3534



47.7729, 40.8541, 42.0275



16.5223, 7.7016, 37.6611



9.9775, 8.2507, 8.3488



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.



16.4520, 8.4467, 2.3534



29.7902, 15.3012, 3.9329



17.1900, 10.4078, 1.1037



7.5926, 7.5669, 8.1721



12.4393, 6.3844, 1.8587



0.3200, 0.1623, 0.1364

Inverse Universe

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



16.4520, 8.4467, 2.3534



29.7902, 15.3012, 3.9329



13.8338, 16.3586, 39.4738



7.5926, 7.5669, 8.1721



12.4393, 6.3844, 1.8587



0.3200, 0.1623, 0.1364

Previews

White Background



This preview shows how the XYZ color 16.4518, 8.4462, 2.3533 looks on a white background.

Color Contrast Check

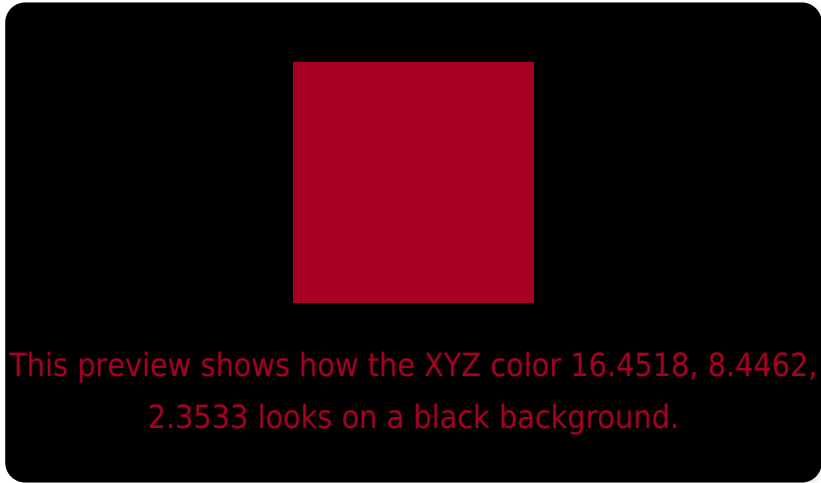
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.4518, 8.4462, 2.3533

Background



This preview shows how black text looks on a background with the XYZ color 16.4518, 8.4462, 2.3533.



This preview shows how white text looks on a background with the XYZ color 16.4518, 8.4462,

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

16.4518, 8.4462, 2.3533

Protanopia

8.4286, 9.0905, 4.8004

Deuteranopia

9.1605, 9.0725, 2.0790



Tritanopia

16.3357, 8.6731, 0.8992

Trichromacy



Original Color

16.4518, 8.4462, 2.3533

Protanomaly

9.5780, 6.8366, 3.5041

Deuteranomaly

10.4791, 7.2022, 1.8748

Tritanomaly

16.3432, 8.5764, 1.2460

Monochromacy



Original Color

16.4518, 8.4462, 2.3533

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 16.4518, 8.4462, 2.3533 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, 35)` looks like.

```
.text, #text, p{  
    color:rgb(168, 0, 35)  
}
```

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, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 0, 35) }
```

Border

The CSS property to change the border of an element to XYZ 16.4518, 8.4462, 2.3533 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, 35) }
```


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

```
.border{ border-color:rgb(168, 0, 35) }
```

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, 35) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 0, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 0, 35);  
box-shadow:4px 4px 4px 4px rgb(168, 0, 35)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.4518, 8.4462, 2.3533 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, 35) }
```

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

```
.background{ background-color: rgb(168, 0,  
35) }
```

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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