

Converting Colors

XYZ(16.3413, 8.6740, 2.9875)

Have a look what the booklet for
XYZ(16.3413, 8.6740, 2.9875)
contains.

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Color

**XYZ(16.3443, 8.6751,
3.0035)**

Conversions

Conversions Part 1

Format	Color
Hex	A6112A
RGB	166, 17, 42
RGB Percent	65%, 7%, 16%
CMY	0.3490, 0.9333, 0.8353
CMYK	0.00, 0.90, 0.75, 0.35
HSL	350°, 81%, 36%
HSV	350°, 90%, 65%
XYZ	16.3443, 8.6751, 3.0035
YIQ	64.4010, 80.7790, 39.3630

Conversions

Conversions Part 2

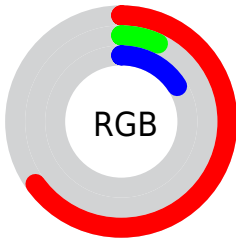
Format	Color
RYB	166, 17, 42
Decimal	10883370
CIELab	35.35, 56.70, 28.11
CIElCh	35, 63.286, 26.367
Yxy	8.6751, 0.5832, 0.3096
Android (android.graphics.Color)	4289073450 (0xFFA6112A)
YUV	64.4010, -11.0437, 89.1023
Hunter-Lab	29.4535, 47.5093, 14.5714

Details

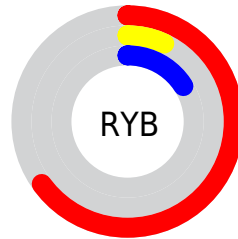
The XYZ color **16.3443, 8.6751, 3.0035** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **18.6768, 29.3153, 29.8809**, and the grayscale version is **4.9427, 5.2001, 5.6629**.

A 20% lighter version of the original color is **36.7325, 23.2167, 11.5621**, and **5.9439, 3.0642, 0.2782** is the 20% darker color. If you saturate the color by 10%, you get **15.9422, 8.2008, 1.8528**, and if you desaturate by 10%, it is **16.9964, 9.5131, 4.6583**.

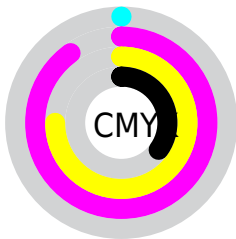
Distribution



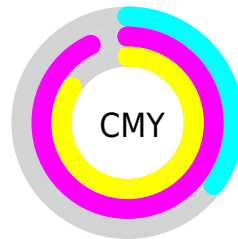
- Red (65%)
- Green (7%)
- Blue (16%)



- Red (65%)
- Yellow (7%)
- Blue (16%)



- Cyan (0%)
- Magenta (90%)
- Yellow (75%)
- Black (35%)




- Cyan (35%)
- Magenta (93%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.3443, 8.6751, 3.0035 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 16.3443, 8.6751, 3.0035 by changing the saturation by 10% instead.


 16.3443, 8.6751,
3.0035

 16.3443, 8.6751,
3.0035


224.5955,
180.9353, 136.4052

 9.8605, 4.5299,
1.0964


 36.7475, 23.2717,
11.6371


 5.3681, 1.9742,
0.0000

 51.3977, 34.4918,
19.2006


 2.5018, 0.5924,
0.0000

 69.5007, 48.8390,
29.4868

 0.8962, 0.0000,
0.0000

 91.4219, 66.6977,
42.9141

 0.0000, 0.0000,
0.0000

 117.5266, 88.4523,
59.9010

 148.1802,

114.4872, 80.8661

183.7481,
145.1867, 106.2280

16.3443, 8.6751,
3.0035

16.3443, 8.6751,
3.0035

15.9422, 8.2008,
1.8528

16.9964, 9.5131,
4.6583

15.9334, 8.1900,
1.8293

17.9698, 10.8446,
6.8800

19.3010, 12.7314,
9.7151

21.0214, 15.2260,
13.2055

23.1587, 18.3746,
17.3890

■ 25.7381, 22.2192,
22.3006

■ 28.7829, 26.7980,
27.9730

■ 32.3146, 32.1466,
34.4368

■ 36.3535, 38.2982,
41.7209

Harmonies

Analogous

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



17.5095, 8.6751, 10.7883



16.3443, 8.6751, 3.0035



12.8159, 8.6751, 0.5773

Triad

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



16.3443, 8.6751, 3.0035



3.6473, 8.6751, 2.0822



7.8053, 8.6751, 47.5103

Complementary

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



16.3443, 8.6751, 3.0035



18.6768, 29.3153, 29.8809

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.



4.9157, 8.6751, 38.3386



16.3443, 8.6751, 3.0035



3.0095, 8.6751, 8.2194

Square

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



16.3443, 8.6751, 3.0035



5.4863, 8.6751, 0.2970



3.3933, 8.6751, 21.5994



11.8022, 8.6751, 41.6984

Rectangle

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



16.3443, 8.6751, 3.0035



10.0274, 8.6751, 0.0000



3.3933, 8.6751, 21.5994



6.6882, 8.6751, 45.9713

Sweetspot

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



16.3445, 8.6756, 3.0036



47.8784, 42.0735, 42.6630



17.6789, 8.6167, 36.8076



10.3379, 8.8513, 8.8396



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.



16.3445, 8.6756, 3.0036



28.8647, 14.8429, 3.0403



17.6717, 11.8365, 1.8844



7.5805, 7.5621, 8.1083



12.3680, 6.3559, 1.4833



0.3154, 0.1604, 0.1126

Inverse Universe

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



16.3445, 8.6756, 3.0036



28.8647, 14.8429, 3.0403



13.6902, 16.0240, 38.4476



7.5805, 7.5621, 8.1083



12.3680, 6.3559, 1.4833



0.3154, 0.1604, 0.1126

Previews

White Background



This preview shows how the XYZ color 16.3443, 8.6751, 3.0035 looks on a white background.

Color Contrast Check

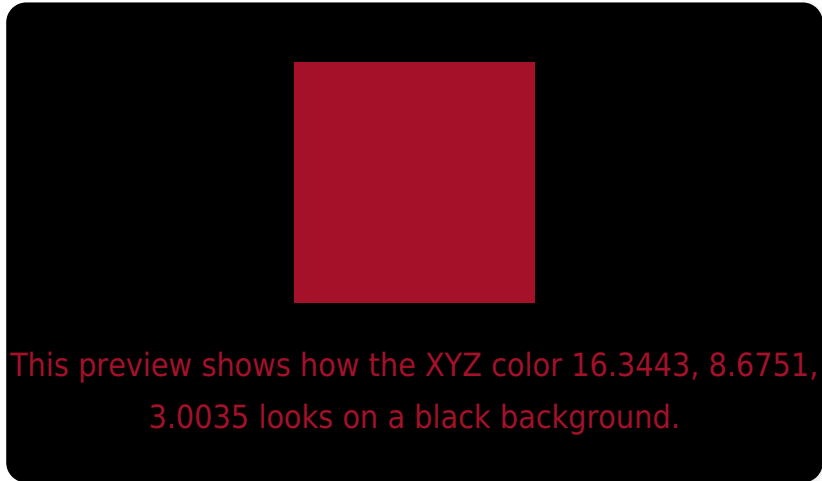
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.3443, 8.6751, 3.0035

Background



This preview shows how black text looks on a background with the XYZ color 16.3443, 8.6751, 3.0035.



This preview shows how white text looks on a background with the XYZ color 16.3443, 8.6751,

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

16.3443, 8.6751, 3.0035

Protanopia

8.4324, 9.0689, 5.8635

Deuteranopia

9.1608, 9.0588, 2.7045



Tritanopia

16.1585, 8.7703, 1.5030

Trichromacy



Original Color

16.3443, 8.6751, 3.0035

Protanomaly

9.7767, 7.3591, 4.5196

Deuteranomaly

10.7336, 7.7427, 2.5978

Tritanomaly

16.2037, 8.7272, 1.9291

Monochromacy



Original Color

16.3443, 8.6751, 3.0035

Achromatopsia

4.8732, 5.1269, 5.5832

Achromatomaly

7.0972, 5.0853, 4.3489

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.3443, 8.6751, 3.0035 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, 17, 42)` looks like.

```
.text, #text, p{  
    color:rgb(166, 17, 42)  
}
```

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, 17, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 17, 42) }
```

Border

The CSS property to change the border of an element to XYZ 16.3443, 8.6751, 3.0035 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, 17, 42) }
```


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

```
.border{ border-color:rgb(166, 17, 42) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(166, 17, 42) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 17, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 17, 42);  
box-shadow:4px 4px 4px 4px rgb(166, 17,  
42) }
```

Background

The CSS property to change the background color of an element to XYZ 16.3443, 8.6751, 3.0035 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 17, 42) }
```

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

```
.background{ background-color: rgb(166, 17,  
42) }
```

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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