

Converting Colors

XYZ(16.8118, 8.5353, 6.7276)

Have a look what the booklet for
XYZ(16.8118, 8.5353, 6.7276)
contains.

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Color

**XYZ(16.8632, 8.5619,
6.7251)**

Conversions

Conversions Part 1

Format	Color
Hex	A60047
RGB	166, 0, 71
RGB Percent	65%, 0%, 28%
CMY	0.3490, 0.9999, 0.7216
CMYK	0.00, 1.00, 0.57, 0.35
HSL	334°, 100%, 33%
HSV	334°, 100%, 65%
XYZ	16.8632, 8.5619, 6.7251
YIQ	57.7280, 76.1450, 57.2730

Conversions

Conversions Part 2

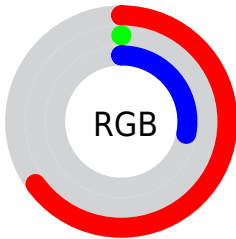
Format	Color
R_{YB}	166, 0, 71
Decimal	10879047
CIE Lab	35.13, 60.58, 9.09
CIE LCh	35, 61.260, 8.535
Yxy	8.5619, 0.5245, 0.2663
Android (android.graphics.Color)	4289069127 (0xFFA60047)
YUV	57.7280, 6.5431, 94.9545
Hunter-Lab	29.2607, 51.6648, 6.8557

Details

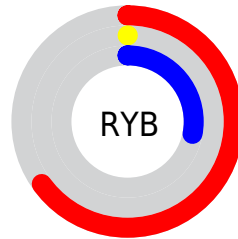
The XYZ color **16.8632, 8.5619, 6.7251** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **15.7031, 28.0991, 15.4282**, and the grayscale version is **3.9716, 4.1784, 4.5503**.

A 20% lighter version of the original color is **37.7327, 23.1116, 19.9250**, and **6.2730, 3.2096, 1.3875** is the 20% darker color. If you saturate the color by 10%, you get **16.8627, 8.5617, 6.7227**, and if you desaturate by 10%, it is **17.3871, 9.0829, 8.5238**.

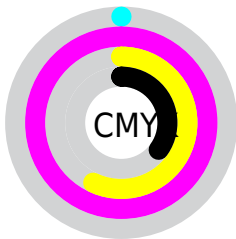
Distribution



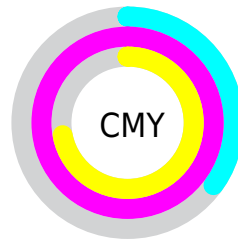
- Red (65%)
- Green (0%)
- Blue (28%)



- Red (65%)
- Yellow (0%)
- Blue (28%)



- Cyan (0%)
- Magenta (100%)
- Yellow (57%)
- Black (35%)





- Cyan (35%)
- Magenta (100%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.8632, 8.5619, 6.7251 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 16.8632, 8.5619, 6.7251 by changing the saturation by 10% instead.


 16.8632, 8.5619,
6.7251


 16.8632, 8.5619,
6.7251


227.5544,
180.0752, 174.9029

 10.2317, 4.4565,
3.2150


 37.6359, 23.0528,
19.9214


 5.6163, 1.9321,
1.2054

 52.5078, 34.2072,
30.4446

 2.6516, 0.5676,
0.0000

 70.8572, 48.4801,
44.1426

 0.9723, 0.0000,
0.0000

 93.0495, 66.2558,
61.4338

 0.0000, 0.0000,
0.0000

 119.4500, 87.9188,
82.7370

 150.4241,

113.8534, 108.4705

186.3371,
144.4441, 139.0530

16.8632, 8.5619,
6.7251

16.8632, 8.5619,
6.7251

16.8627, 8.5617,
6.7227

17.3871, 9.0829,
8.5238

18.1215, 9.9454,
10.6381

19.1352, 11.2837,
13.1007

20.4595, 13.1574,
15.9309

22.1212, 15.6173,
19.1465

■ 24.1439, 18.7081,
22.7635

■ 26.5491, 22.4703,
26.7970

■ 29.3566, 26.9409,
31.2612

■ 32.5848, 32.1541,
36.1694

Harmonies

Analogous

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



16.2285, 8.5619, 18.3966



16.8632, 8.5619, 6.7251



14.6844, 8.5619, 1.6998

Triad

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



16.8632, 8.5619, 6.7251



4.5998, 8.5619, 0.8840



5.8985, 8.5619, 41.6310

Complementary

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



16.8632, 8.5619, 6.7251



15.7031, 28.0991, 15.4282

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.



3.8999, 8.5619, 27.4301



16.8632, 8.5619, 6.7251



3.3150, 8.5619, 3.8656

Square

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



16.8632, 8.5619, 6.7251



7.1716, 8.5619, 0.0000



3.1024, 8.5619, 12.5149



9.1872, 8.5619, 44.7790

Rectangle

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



16.8632, 8.5619, 6.7251



12.2191, 8.5619, 0.5810



3.1024, 8.5619, 12.5149



5.0846, 8.5619, 37.6694

Sweetspot

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



16.8634, 8.5624, 6.7252



47.9152, 40.3570, 48.1945



11.5072, 5.1375, 36.4613



10.3107, 8.3840, 10.1037



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.



16.8634, 8.5624, 6.7252



30.5030, 15.4982, 11.6675



15.8466, 8.3484, 0.7769



7.6593, 7.5936, 8.5230



13.0988, 6.6482, 5.3317



0.3445, 0.1721, 0.2656

Inverse Universe

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



16.8634, 8.5624, 6.7252



30.5030, 15.4982, 11.6675



18.5937, 26.1742, 40.1483



7.6593, 7.5936, 8.5230



13.0988, 6.6482, 5.3317



0.3445, 0.1721, 0.2656

Previews

White Background



This preview shows how the XYZ color 16.8632, 8.5619, 6.7251 looks on a white background.

Color Contrast Check

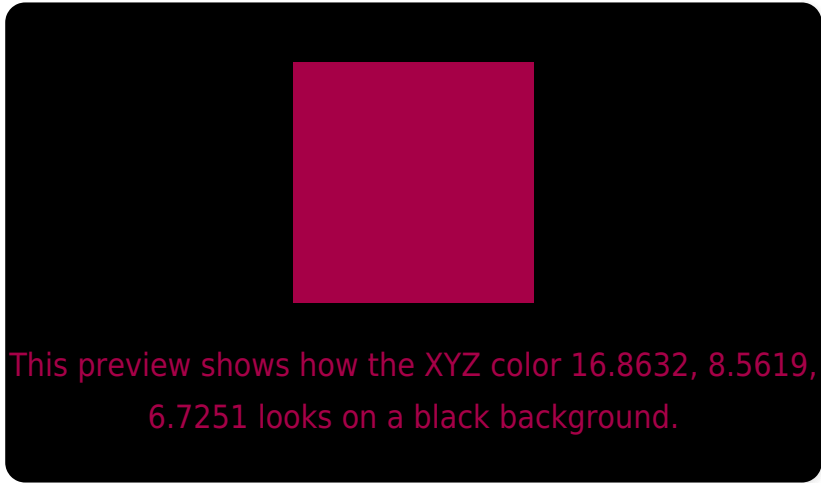
Large Text (above 18pt) WCAG AA ✓ Pass

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

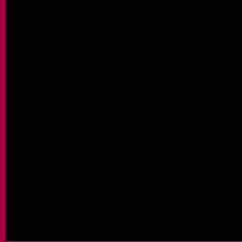
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.8632, 8.5619, 6.7251

Background



This preview shows how black text looks on a background with the XYZ color 16.8632, 8.5619, 6.7251.



This preview shows how white text looks on a background with the XYZ color 16.8632, 8.5619,

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

16.8632, 8.5619, 6.7251

Protanopia

9.1764, 9.2701, 14.1376

Deuteranopia

9.3095, 9.1715, 6.1301



Tritanopia

15.9229, 8.8022, 1.8967

Trichromacy



Original Color

16.8632, 8.5619, 6.7251

Protanomaly

10.0175, 6.9044, 10.7022

Deuteranomaly

10.6986, 7.2212, 6.1401

Tritanomaly

16.1694, 8.6064, 3.0945

Monochromacy



Original Color

16.8632, 8.5619, 6.7251

Achromatopsia

4.0217, 4.2311, 4.6077

Achromatomaly

6.4885, 4.2234, 5.1758

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8632, 8.5619, 6.7251 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, 71)` looks like.

```
.text, #text, p{  
  color:rgb(166, 0, 71)  
}
```

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, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 0, 71) }
```

Border

The CSS property to change the border of an element to XYZ 16.8632, 8.5619, 6.7251 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, 71) }
```


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

```
.border{ border-color:rgb(166, 0, 71) }
```

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, 71) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 0, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 0, 71);  
box-shadow:4px 4px 4px 4px rgb(166, 0, 71)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.8632, 8.5619, 6.7251 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, 71) }
```

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

```
.background{ background-color: rgb(166, 0,  
71) }
```

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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