

Converting Colors

XYZ(16.8383, 8.5463, 6.8652)

Have a look what the booklet for
XYZ(16.8383, 8.5463, 6.8652)
contains.

XYZ(16.8956, 8.5749, 6.8955)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(16.8956, 8.5749,
6.8955)**

Conversions

Conversions Part 1

Format	Color
Hex	A60048
RGB	166, 0, 72
RGB Percent	65%, 0%, 28%
CMY	0.3490, 0.9999, 0.7176
CMYK	0.00, 1.00, 0.57, 0.35
HSL	334°, 100%, 33%
HSV	334°, 100%, 65%
XYZ	16.8956, 8.5749, 6.8955
YIQ	57.8420, 75.8240, 57.5840

Conversions

Conversions Part 2

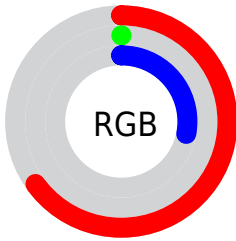
Format	Color
R_{YB}	166, 0, 72
Decimal	10879048
CIE Lab	35.15, 60.65, 8.47
CIE LCh	35, 61.239, 7.954
Yxy	8.5749, 0.5220, 0.2649
Android (android.graphics.Color)	4289069128 (0xFFA60048)
YUV	57.8420, 6.9799, 94.8546
Hunter-Lab	29.2829, 51.7454, 6.5365

Details

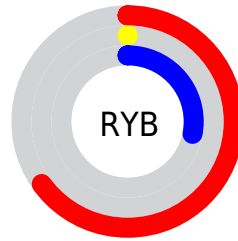
The XYZ color **16.8956, 8.5749, 6.8955** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **15.6581, 28.0811, 15.1908**, and the grayscale version is **3.9864, 4.1940, 4.5672**.

A 20% lighter version of the original color is **37.7931, 23.1357, 20.2430**, and **6.2852, 3.2145, 1.4516** is the 20% darker color. If you saturate the color by 10%, you get **16.8950, 8.5746, 6.8929**, and if you desaturate by 10%, it is **17.4208, 9.0965, 8.7014**.

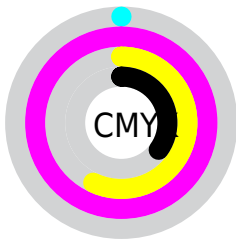
Distribution



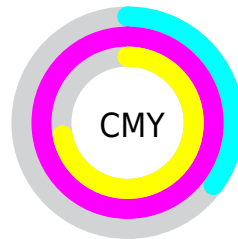
- Red (65%)
- Green (0%)
- Blue (28%)



- 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 16.8956, 8.5749, 6.8955 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 16.8956, 8.5749, 6.8955 by changing the saturation by 10% instead.


 16.8956, 8.5749,
6.8955


 16.8956, 8.5749,
6.8955


227.7380,
180.1742, 176.3904


 10.2549, 4.4650,
3.3194


 37.6912, 23.0780,
20.2720


 5.6319, 1.9369,
1.2599

 52.5769, 34.2400,
30.9094


 2.6611, 0.5704,
0.0286

 70.9416, 48.5214,
44.7376

 0.9772, 0.0000,
0.0000

 93.1506, 66.3067,
62.1752

 0.0000, 0.0000,
0.0000

 119.5695, 87.9802,
83.6408

 150.5634,

113.9264, 109.5528

186.4978,
144.5296, 140.3298

16.8956, 8.5749,
6.8955

16.8956, 8.5749,
6.8955

16.8950, 8.5746,
6.8929

17.4208, 9.0965,
8.7014

18.1558, 9.9592,
10.8185

19.1692, 11.2974,
13.2789

20.4921, 13.1707,
16.1018

22.1513, 15.6296,
19.3044

■ 24.1705, 18.7191,
22.9027

■ 26.5711, 22.4795,
26.9114

■ 29.3727, 26.9478,
31.3444

■ 32.5937, 32.1582,
36.2148

Harmonies

Analogous

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



16.2042, 8.5749, 18.7046



16.8956, 8.5749, 6.8955



14.7633, 8.5749, 1.7560

Triad

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



16.8956, 8.5749, 6.8955



4.6463, 8.5749, 0.8614



5.8577, 8.5749, 41.4549

Complementary

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



16.8956, 8.5749, 6.8955



15.6581, 28.0811, 15.1908

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.



3.8825, 8.5749, 27.1340



16.8956, 8.5749, 6.8955



3.3371, 8.5749, 3.7738

Square

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



16.8956, 8.5749, 6.8955



7.2461, 8.5749, 0.0000



3.1049, 8.5749, 12.2950



9.1265, 8.5749, 44.8811

Rectangle

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



16.8956, 8.5749, 6.8955



12.3106, 8.5749, 0.6083



3.1049, 8.5749, 12.2950



5.0518, 8.5749, 37.4284

Sweetspot

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



16.8958, 8.5754, 6.8956



47.9550, 40.3729, 48.4040



11.2284, 4.9938, 36.4483



10.3205, 8.3879, 10.1549



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.



16.8958, 8.5754, 6.8956



30.5611, 15.5214, 11.9731



15.8163, 8.2877, 0.7669



7.6611, 7.5943, 8.5327



13.1240, 6.6583, 5.4643



0.3452, 0.1723, 0.2691

Inverse Universe

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



16.8958, 8.5754, 6.8956



30.5611, 15.5214, 11.9731



19.0592, 27.1052, 40.3036



7.6611, 7.5943, 8.5327



13.1240, 6.6583, 5.4643



0.3452, 0.1723, 0.2691

Previews

White Background



This preview shows how the XYZ color 16.8956, 8.5749, 6.8955 looks on a white background.

Color Contrast Check

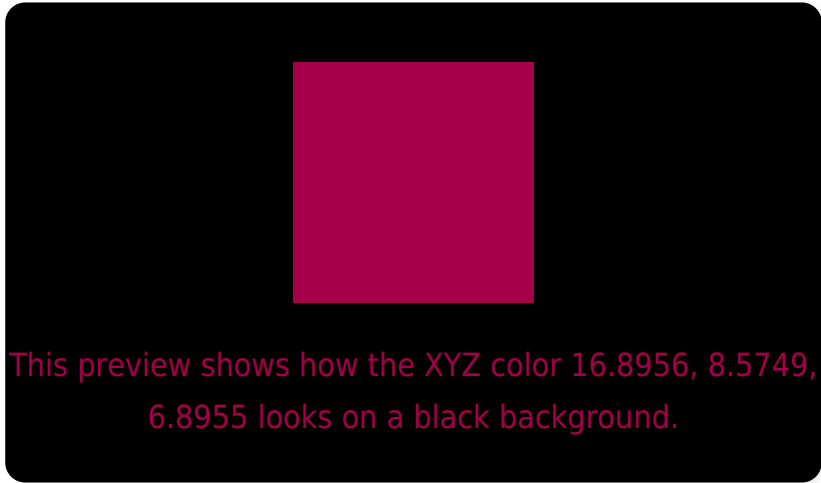
Large Text (above 18pt) WCAG AA ✓ Pass

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

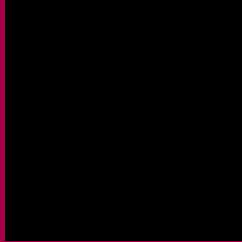
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.8956, 8.5749, 6.8955

Background



This preview shows how black text looks on a background with the XYZ color 16.8956, 8.5749, 6.8955.



This preview shows how white text looks on a background with the XYZ color 16.8956, 8.5749,

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

16.8956, 8.5749, 6.8955

Protanopia

9.1916, 9.2663, 14.6687

Deuteranopia

9.3383, 9.1829, 6.2813



Tritanopia

15.9588, 8.8551, 1.9667

Trichromacy



Original Color

16.8956, 8.5749, 6.8955

Protanomaly

9.9770, 6.8734, 11.1568

Deuteranomaly

10.7288, 7.2333, 6.2995

Tritanomaly

16.1880, 8.6138, 3.1923

Monochromacy



Original Color

16.8956, 8.5749, 6.8955

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 16.8956, 8.5749, 6.8955 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, 72)` looks like.

```
.text, #text, p{  
    color:rgb(166, 0, 72)  
}
```

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, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 0, 72) }
```

Border

The CSS property to change the border of an element to XYZ 16.8956, 8.5749, 6.8955 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, 72) }
```


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

```
.border{ border-color:rgb(166, 0, 72) }
```

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, 72) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 0, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 0, 72);  
box-shadow:4px 4px 4px 4px rgb(166, 0, 72)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.8956, 8.5749, 6.8955 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, 72) }
```

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

```
.background{ background-color: rgb(166, 0,  
72) }
```

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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