

Converting Colors

XYZ(16.8471, 8.8502, 7.7938)

Have a look what the booklet for
XYZ(16.8471, 8.8502, 7.7938)
contains.

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Color

**XYZ(16.8657, 8.8609,
7.8426)**

Conversions

Conversions Part 1

Format	Color
Hex	A4124D
RGB	164, 18, 77
RGB Percent	64%, 7%, 30%
CMY	0.3569, 0.9294, 0.6980
CMYK	0.00, 0.89, 0.53, 0.36
HSL	336°, 80%, 36%
HSV	336°, 89%, 64%
XYZ	16.8657, 8.8609, 7.8426
YIQ	68.3800, 68.0770, 49.3010

Conversions

Conversions Part 2

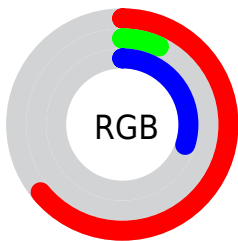
Format	Color
RYB	164, 18, 77
Decimal	10752589
CIELab	35.72, 58.06, 5.95
CIElCh	36, 58.363, 5.851
Yxy	8.8609, 0.5024, 0.2640
Android (android.graphics.Color)	4288942669 (0xFFA4124D)
YUV	68.3800, 4.2497, 83.8587
Hunter-Lab	29.7673, 49.0428, 5.2163

Details

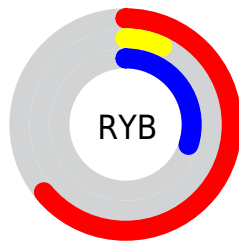
The XYZ color **16.8657, 8.8609, 7.8426** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **16.0757, 27.6998, 17.8679**, and the grayscale version is **5.5426, 5.8312, 6.3502**.

A 20% lighter version of the original color is **37.6767, 23.6943, 22.3263**, and **6.2326, 3.1797, 1.7986** is the 20% darker color. If you saturate the color by 10%, you get **16.3473, 8.3355, 6.0933**, and if you desaturate by 10%, it is **17.6048, 9.7449, 9.9215**.

Distribution



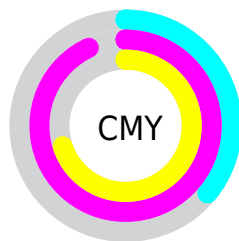
- Red (64%)
- Green (7%)
- Blue (30%)



- Red (64%)
- Yellow (7%)
- Blue (30%)



- Cyan (0%)
- Magenta (89%)
- Yellow (53%)
- Black (36%)




- Cyan (36%)
- Magenta (93%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.8657, 8.8609, 7.8426 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 16.8657, 8.8609, 7.8426 by changing the saturation by 10% instead.


 16.8657, 8.8609,
7.8426


 16.8657, 8.8609,
7.8426


227.5686,
182.3368, 184.3804


 10.2335, 4.6506,
3.9081


 37.6402, 23.6297,
22.1903


 5.6175, 2.0437,
1.5750

 52.5131, 34.9569,
33.4406


 2.6524, 0.6327,
0.2729

 70.8637, 49.4252,
47.9666

 0.9727, 0.0000,
0.0000

 93.0573, 67.4190,
66.1868

 0.0000, 0.0000,
0.0000

 119.4592, 89.3226,
88.5197

 150.4349,

115.5206, 115.3840

186.3495,
146.3971, 147.1980

■ 16.8657, 8.8609,
7.8426

■ 16.8657, 8.8609,
7.8426

■ 16.3473, 8.3355,
6.0933

■ 17.6048, 9.7449,
9.9215

■ 16.3010, 8.2890,
5.9360

■ 18.6222, 11.0987,
12.3597

■ 19.9480, 12.9797,
15.1773

■ 21.6082, 15.4367,
18.3926

■ 23.6258, 18.5127,
22.0222

■ 26.0217, 22.2466,
26.0818

■ 28.8150, 26.6741,
30.5862

■ 32.0236, 31.8284,
35.5492

■ 35.6642, 37.7404,
40.9843

Harmonies

Analogous

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



16.0154, 8.8609, 19.6597



16.8657, 8.8609, 7.8426



15.0024, 8.8609, 2.2621

Triad

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



16.8657, 8.8609, 7.8426



5.1113, 8.8609, 0.9982



5.9952, 8.8609, 39.3170

Complementary

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



16.8657, 8.8609, 7.8426



16.0757, 27.6998, 17.8679

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.



4.1175, 8.8609, 25.5417



16.8657, 8.8609, 7.8426



3.7130, 8.8609, 3.7875

Square

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



16.8657, 8.8609, 7.8426



7.7655, 8.8609, 0.2460



3.4064, 8.8609, 11.7112



9.1146, 8.8609, 43.4309

Rectangle

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



16.8657, 8.8609, 7.8426



12.7080, 8.8609, 0.9283



3.4064, 8.8609, 11.7112



5.2276, 8.8609, 35.3542

Sweetspot

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



16.8659, 8.8614, 7.8427



47.9511, 41.5107, 48.5231



12.5307, 6.0072, 35.6210



10.1538, 8.5573, 10.0641



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



16.8659, 8.8614, 7.8427



29.4918, 15.0070, 10.2625



15.8880, 8.8739, 1.4484



7.1868, 7.1312, 7.9703



12.5212, 6.3645, 4.6694



0.2862, 0.1430, 0.2196

Inverse Universe

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



16.8659, 8.8614, 7.8427



29.4918, 15.0070, 10.2625



18.1519, 25.2118, 39.0316



7.1868, 7.1312, 7.9703



12.5212, 6.3645, 4.6694



0.2862, 0.1430, 0.2196

Previews

White Background



This preview shows how the XYZ color 16.8657, 8.8609, 7.8426 looks on a white background.

Color Contrast Check

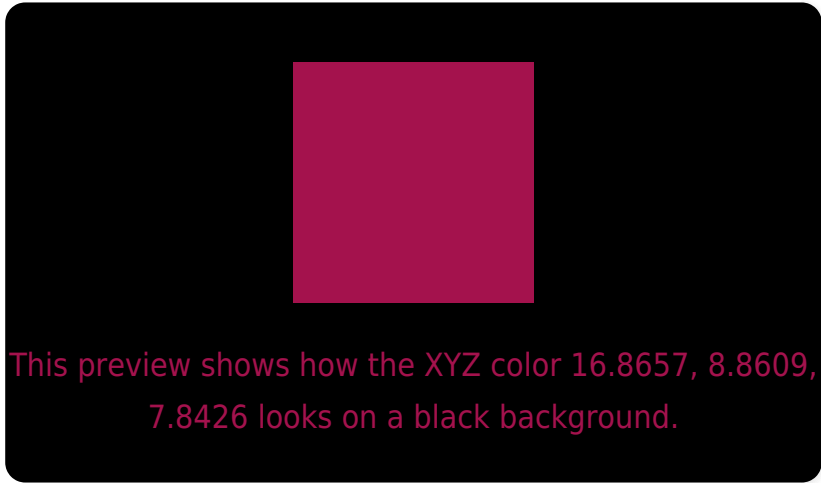
Large Text (above 18pt) WCAG AA ✓ Pass

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

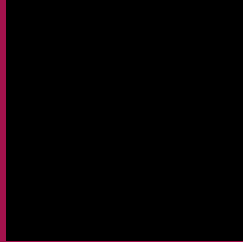
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.8657, 8.8609, 7.8426

Background



This preview shows how black text looks on a background with the XYZ color 16.8657, 8.8609, 7.8426.



This preview shows how white text looks on a background with the XYZ color 16.8657, 8.8609,

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

16.8657, 8.8609, 7.8426

Protanopia

9.3712, 9.3283, 16.0585

Deuteranopia

9.4543, 9.3380, 7.0985



Tritanopia

15.7611, 8.9409, 2.4084

Trichromacy



Original Color

16.8657, 8.8609, 7.8426

Protanomaly

10.4289, 7.5988, 12.4723

Deuteranomaly

10.9349, 7.8199, 7.2364

Tritanomaly

16.0952, 8.8473, 3.8770

Monochromacy



Original Color

16.8657, 8.8609, 7.8426

Achromatopsia

5.4944, 5.7805, 6.2950

Achromatomaly

7.8715, 5.6197, 6.6311

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8657, 8.8609, 7.8426 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(164, 18, 77)` looks like.

```
.text, #text, p{  
    color:rgb(164, 18, 77)  
}
```

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(164, 18, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 18, 77) }
```

Border

The CSS property to change the border of an element to XYZ 16.8657, 8.8609, 7.8426 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(164, 18, 77) }
```


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

```
.border{ border-color:rgb(164, 18, 77) }
```

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

Here you see how a box with a 4 pixel rgb(164, 18, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 18, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 18, 77);  
box-shadow:4px 4px 4px 4px rgb(164, 18,  
77) }
```

Background

The CSS property to change the background color of an element to XYZ 16.8657, 8.8609, 7.8426 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 18, 77) }
```

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

```
.background{ background-color: rgb(164, 18,  
77) }
```

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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