

Converting Colors

XYZ(16.8606, 13.7657, 16.2646)

Have a look what the booklet for
XYZ(16.8606, 13.7657, 16.2646)
contains.

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Color

**XYZ(16.8977, 13.8197,
16.2449)**

Conversions

Conversions Part 1

Format	Color
Hex	8A5A6D
RGB	138, 90, 109
RGB Percent	54%, 35%, 43%
CMY	0.4588, 0.6470, 0.5725
CMYK	0.00, 0.35, 0.21, 0.46
HSL	336°, 21%, 45%
HSV	336°, 35%, 54%
XYZ	16.8977, 13.8197, 16.2449
YIQ	106.5180, 22.5090, 16.0850

Conversions

Conversions Part 2

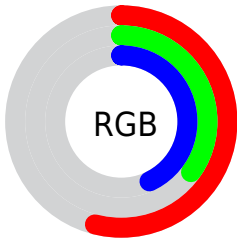
Format	Color
R_{YB}	138, 90, 109
Decimal	9067117
CIE Lab	43.97, 22.64, -2.67
CIE LCh	44, 22.799, 353.266
Yxy	13.8197, 0.3598, 0.2943
Android (android.graphics.Color)	4287257197 (0xFF8A5A6D)
YUV	106.5180, 1.2236, 27.6097
Hunter-Lab	37.1749, 16.0805, 0.1135

Details

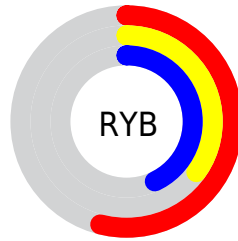
The XYZ color **16.8977, 13.8197, 16.2449** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **16.6353, 21.6829, 20.7621**, and the grayscale version is **13.8346, 14.5551, 15.8505**.

A 20% lighter version of the original color is **37.6083, 32.7943, 37.6055**, and **5.6639, 4.1018, 5.0506** is the 20% darker color. If you saturate the color by 10%, you get **15.4122, 11.5332, 13.6393**, and if you desaturate by 10%, it is **18.6427, 16.5567, 19.1474**.

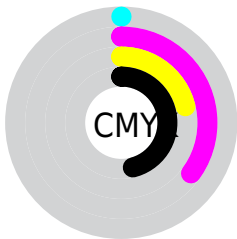
Distribution



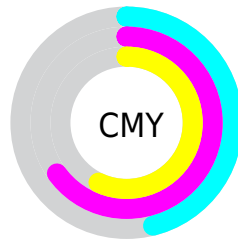
- Red (54%)
- Green (35%)
- Blue (43%)



- Red (54%)
- Yellow (35%)
- Blue (43%)



- Cyan (0%)
- Magenta (35%)
- Yellow (21%)
- Black (46%)



- Cyan (46%)
- Magenta (65%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.8977, 13.8197, 16.2449 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 16.8977, 13.8197, 16.2449 by changing the saturation by 10% instead.

■ 16.8977, 13.8197,
16.2449

■ 16.8977, 13.8197,
16.2449

227.7499,
216.1063, 242.6774

■ 10.2564, 7.9954,
9.5414

■ 37.6948, 32.7688,
37.7955

■ 5.6329, 4.0920,
4.9944

■ 52.5813, 46.6623,
53.4797

■ 2.6617, 1.7252,
2.1853

■ 70.9470, 64.0144,
72.9946

■ 0.9775, 0.4399,
0.6658

■ 93.1572, 85.2093,
96.7586

■ 0.0000, 0.0000,
0.0000

■ 119.5772,
110.6316, 125.1904

150.5724,

140.6656, 158.7084

186.5082,
175.6957, 197.7312

■ 16.8977, 13.8197,
16.2449

■ 16.8977, 13.8197,
16.2449

■ 15.4122, 11.5332,
13.6393

■ 18.6427, 16.5567,
19.1474

■ 14.1719, 9.6710,
11.3196

■ 20.6582, 19.7650,
22.3557

■ 13.1628, 8.2068,
9.2751

■ 22.9560, 23.4661,
25.8791

■ 12.3689, 7.1108,
7.4943

■ 25.5468, 27.6800,
29.7265

■ 11.7720, 6.3487,
5.9642

■ 28.4408, 32.4251,
33.9062

■ 11.3482, 5.8752,
4.6699

■ 31.6477, 37.7194,
38.4263

■ 11.1618, 5.6755,
4.0742

■ 35.1766, 43.5796,
43.2947

■ 39.0364, 50.0220,
48.5188

■ 43.2356, 57.0621,
54.1059

Harmonies

Analogous

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



16.1219, 13.8197, 21.8199



16.8977, 13.8197, 16.2449



16.5936, 13.8197, 11.4483

Triad

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



16.8977, 13.8197, 16.2449



11.8097, 13.8197, 7.6306



11.1643, 13.8197, 24.5164

Complementary

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



16.8977, 13.8197, 16.2449



16.6353, 21.6829, 20.7621

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.



10.1942, 13.8197, 19.3311



16.8977, 13.8197, 16.2449



10.5422, 13.8197, 9.8448

Square

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



16.8977, 13.8197, 16.2449



13.5470, 13.8197, 7.1692



9.9773, 13.8197, 13.9101



12.7319, 13.8197, 27.2541

Rectangle

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



16.8977, 13.8197, 16.2449



15.8319, 13.8197, 9.2045



9.9773, 13.8197, 13.9101



10.7636, 13.8197, 22.9518

Sweetspot

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



16.8981, 13.8203, 16.2452



38.2002, 37.7084, 42.1719



15.8245, 13.0558, 25.7309



8.4596, 8.2832, 9.2919



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



16.8981, 13.8203, 16.2452



27.6259, 21.0296, 24.8671



16.4014, 14.2905, 11.5675



5.1095, 5.0792, 5.6652



10.2406, 5.2064, 3.7714



0.0749, 0.0373, 0.0612

Inverse Universe

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



16.8981, 13.8203, 16.2452



27.6259, 21.0296, 24.8671



17.2193, 20.8389, 27.1596



5.1095, 5.0792, 5.6652



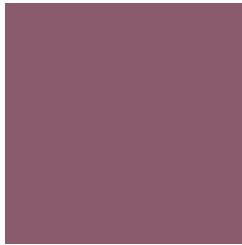
10.2406, 5.2064, 3.7714



0.0749, 0.0373, 0.0612

Previews

White Background



This preview shows how the XYZ color 16.8977, 13.8197, 16.2449 looks on a white background.

Color Contrast Check

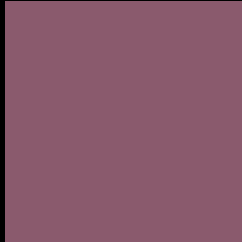
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 16.8977, 13.8197, 16.2449 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 16.8977, 13.8197, 16.2449

Background



This preview shows how black text looks on a background with the XYZ color 16.8977, 13.8197, 16.2449.



This preview shows how white text looks on a background with the XYZ color 16.8977, 13.8197,

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

16.8977, 13.8197, 16.2449

Protanopia

13.6407, 14.0098, 18.8148

Deuteranopia

14.1176, 13.8796, 15.8449



Tritanopia

16.3958, 13.8735, 13.6181

Trichromacy



Original Color

16.8977, 13.8197, 16.2449

Protanomaly

14.5693, 13.7834, 17.8122

Deuteranomaly

15.0075, 13.7697, 16.0542

Tritanomaly

16.5058, 13.7798, 14.6218

Monochromacy



Original Color

16.8977, 13.8197, 16.2449

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

14.8317, 14.2416, 16.1546

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8977, 13.8197, 16.2449 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(138, 90, 109)` looks like.

```
.text, #text, p{  
    color:rgb(138, 90, 109)  
}
```

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(138, 90, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 90, 109) }
```

Border

The CSS property to change the border of an element to XYZ 16.8977, 13.8197, 16.2449 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(138, 90, 109) }
```


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

```
.border{ border-color:rgb(138, 90, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 90, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 90, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 90, 109);  
box-shadow:4px 4px 4px 4px rgb(138, 90,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 16.8977, 13.8197, 16.2449 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 90, 109) }
```

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

```
.background{ background-color: rgb(138, 90,  
109) }
```

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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