

Converting Colors

XYZ(16.1173, 13.1002, 13.3608)

Have a look what the booklet for
XYZ(16.1173, 13.1002, 13.3608)
contains.

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Color

**XYZ(16.1416, 13.1205,
13.4861)**

Conversions

Conversions Part 1

Format	Color
Hex	8A5763
RGB	138, 87, 99
RGB Percent	54%, 34%, 39%
CMY	0.4588, 0.6588, 0.6118
CMYK	0.00, 0.37, 0.28, 0.46
HSL	346°, 23%, 44%
HSV	346°, 37%, 54%
XYZ	16.1416, 13.1205, 13.4861
YIQ	103.6170, 26.5440, 14.5440

Conversions

Conversions Part 2

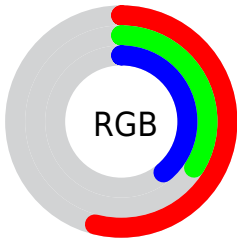
Format	Color
R_{YB}	138, 87, 99
Decimal	9066339
CIE _{Lab}	42.94, 22.82, 1.93
CIE _{LCh}	43, 22.901, 4.843
Yxy	13.1205, 0.3776, 0.3069
Android (android.graphics.Color)	4287256419 (0xFF8A5763)
YUV	103.6170, -2.2762, 30.1539
Hunter-Lab	36.2222, 16.1555, 3.2810

Details

The XYZ color **16.1416, 13.1205, 13.4861** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **16.7855, 21.7100, 23.0456**, and the grayscale version is **13.0571, 13.7371, 14.9597**.

A 20% lighter version of the original color is **36.5858, 31.7164, 33.0478**, and **5.2391, 3.7531, 3.8164** is the 20% darker color. If you saturate the color by 10%, you get **14.6573, 10.9072, 10.6626**, and if you desaturate by 10%, it is **17.9062, 15.7887, 16.7286**.

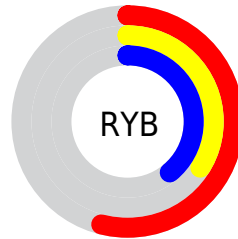
Distribution



Red (54%)

Green (34%)

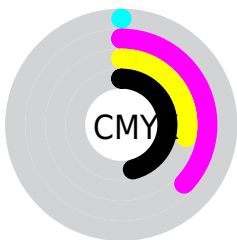
Blue (39%)



Red (54%)

Yellow (34%)

Blue (39%)

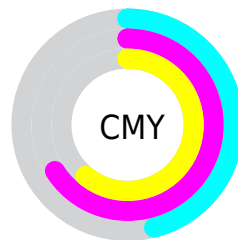


Cyan (0%)

Magenta (37%)

Yellow (28%)

Black (46%)



Cyan (46%)

Magenta (66%)

Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.1416, 13.1205, 13.4861 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 16.1416, 13.1205, 13.4861 by changing the saturation by 10% instead.

■ 16.1416, 13.1205,
13.4861

■ 16.1416, 13.1205,
13.4861

223.4298,
211.6885, 225.3261

■ 9.7159, 7.5116,
7.6295

■ 36.3993, 31.5201,
32.8783

■ 5.2718, 3.7840,
3.7744

■ 50.9620, 45.0796,
47.2509

■ 2.4440, 1.5535,
1.5024

■ 68.9678, 62.0580,
65.2992

■ 0.8671, 0.3259,
0.2197

■ 90.7820, 82.8398,
87.4419

■ 0.0000, 0.0000,
0.0000

■ 116.7699,
107.8093, 114.0973

147.2970,

137.3510, 145.6842

182.7285,
171.8493, 182.6209

■ 16.1416, 13.1205,
13.4861

■ 16.1416, 13.1205,
13.4861

■ 14.6573, 10.9072,
10.6626

■ 17.9062, 15.7887,
16.7286

■ 13.4374, 9.1214,
8.2401

■ 19.9637, 18.9332,
20.4059

■ 12.4662, 7.7358,
6.1999


■ 22.3271, 22.5767,
24.5335


■ 11.7258, 6.7191,
4.5219

■ 25.0084, 26.7395,
29.1264


■ 11.1954, 6.0351,
3.1837


■ 28.0190, 31.4409,
34.1984


 10.8405, 5.6200,
2.1569

 31.3696, 36.6994,
39.7630

 10.7484, 5.5102,
1.8969

 35.0704, 42.5323,
45.8333

 39.1314, 48.9563,
52.4214

 43.5620, 55.9875,
59.5396

Harmonies

Analogous

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



15.7787, 13.1205, 18.7973



16.1416, 13.1205, 13.4861



15.4481, 13.1205, 9.4482

Triad

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



16.1416, 13.1205, 13.4861



10.6415, 13.1205, 7.7353



11.0913, 13.1205, 24.9318

Complementary

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



16.1416, 13.1205, 13.4861



16.7855, 21.7100, 23.0456

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.



9.9027, 13.1205, 20.5445



16.1416, 13.1205, 13.4861



9.6606, 13.1205, 10.5612

Square

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



16.1416, 13.1205, 13.4861



12.1881, 13.1205, 6.6618



9.4033, 13.1205, 15.1169



12.7575, 13.1205, 26.2316

Rectangle

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



16.1416, 13.1205, 13.4861



14.5149, 13.1205, 7.7555



9.4033, 13.1205, 15.1169



10.6279, 13.1205, 23.7258

Sweetspot

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



16.1420, 13.1211, 13.4864



37.5043, 36.9358, 40.0308



16.4901, 13.0308, 25.6911



8.3052, 8.1198, 8.7922



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.



16.1420, 13.1211, 13.4864



26.3244, 19.9493, 19.7390



16.7353, 15.1585, 11.0614



5.0780, 5.0666, 5.4991



9.8597, 5.0540, 1.7656



0.0704, 0.0355, 0.0376

Inverse Universe

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



16.1420, 13.1211, 13.4864



26.3244, 19.9493, 19.7390



15.8838, 18.5923, 26.7965



5.0780, 5.0666, 5.4991



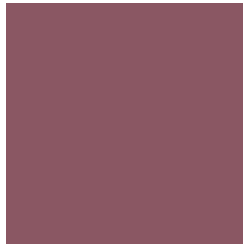
9.8597, 5.0540, 1.7656



0.0704, 0.0355, 0.0376

Previews

White Background



This preview shows how the XYZ color 16.1416, 13.1205, 13.4861 looks on a white background.

Color Contrast Check

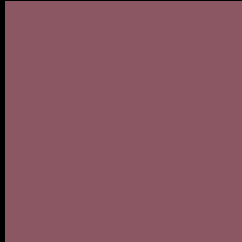
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.1416, 13.1205, 13.4861 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

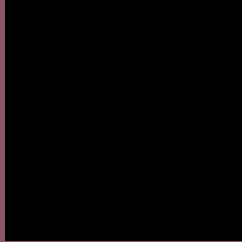
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.1416, 13.1205, 13.4861

Background



This preview shows how black text looks on a background with the XYZ color 16.1416, 13.1205, 13.4861.



This preview shows how white text looks on a background with the XYZ color 16.1416, 13.1205,

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

16.1416, 13.1205, 13.4861

Protanopia

12.7870, 13.1937, 15.7826

Deuteranopia

13.3354, 13.1091, 13.1367



Tritanopia

15.9913, 13.1909, 12.2929

Trichromacy



Original Color

16.1416, 13.1205, 13.4861

Protanomaly

13.7518, 13.0101, 14.8831

Deuteranomaly

14.2333, 13.0248, 13.3191

Tritanomaly

16.0823, 13.2272, 12.7718

Monochromacy



Original Color

16.1416, 13.1205, 13.4861

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

13.9684, 13.4077, 14.4221

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.1416, 13.1205, 13.4861 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, 87, 99)` looks like.

```
.text, #text, p{  
    color:rgb(138, 87, 99)  
}
```

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, 87, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 87, 99) }
```

Border

The CSS property to change the border of an element to XYZ 16.1416, 13.1205, 13.4861 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, 87, 99) }
```


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

```
.border{ border-color:rgb(138, 87, 99) }
```

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

Here you see how a box with a 4 pixel rgb(138, 87, 99) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 87, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 87, 99);  
box-shadow:4px 4px 4px 4px rgb(138, 87,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 16.1416, 13.1205, 13.4861 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 87, 99) }
```

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

```
.background{ background-color: rgb(138, 87,  
99) }
```

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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