

Converting Colors

XYZ(22.8772, 16.3905, 16.4789)

Have a look what the booklet for
XYZ(22.8772, 16.3905, 16.4789)
contains.

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Color

**XYZ(22.8827, 16.4176,
16.4309)**

Conversions

Conversions Part 1

Format	Color
Hex	AB566D
RGB	171, 86, 109
RGB Percent	67%, 34%, 43%
CMY	0.3294, 0.6627, 0.5725
CMYK	0.00, 0.50, 0.36, 0.33
HSL	344°, 34%, 50%
HSV	344°, 50%, 67%
XYZ	22.8827, 16.4176, 16.4309
YIQ	114.0370, 43.2770, 25.1730

Conversions

Conversions Part 2

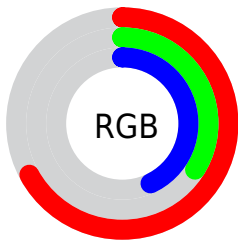
Format	Color
R_{YB}	171, 86, 109
Decimal	11228781
CIE _{Lab}	47.52, 37.26, 3.03
CIE _{LCh}	48, 37.387, 4.655
Yxy	16.4176, 0.4106, 0.2946
Android (android.graphics.Color)	4289418861 (0xFFAB566D)
YUV	114.0370, -2.4832, 49.9566
Hunter-Lab	40.5186, 29.8994, 4.3201

Details

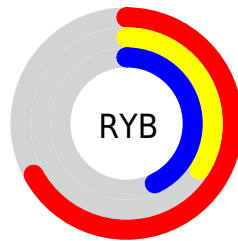
The XYZ color **22.8827, 16.4176, 16.4309** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **23.7468, 33.2428, 33.1836**, and the grayscale version is **16.0039, 16.8373, 18.3359**.

A 20% lighter version of the original color is **47.7467, 37.3730, 37.9549**, and **8.7028, 5.3226, 5.1261** is the 20% darker color. If you saturate the color by 10%, you get **21.0526, 13.7568, 12.7398**, and if you desaturate by 10%, it is **25.1357, 19.7714, 20.7335**.

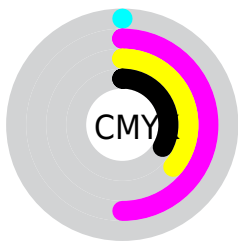
Distribution



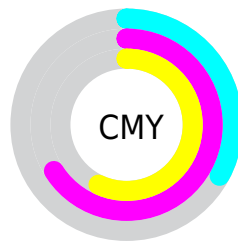
- Red (67%)
- Green (34%)
- Blue (43%)



- Red (67%)
- Yellow (34%)
- Blue (43%)



- Cyan (0%)
- Magenta (50%)
- Yellow (36%)
- Black (33%)



- Cyan (33%)
- Magenta (66%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.8827, 16.4176, 16.4309 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 22.8827, 16.4176, 16.4309 by changing the saturation by 10% instead.

■ 22.8827, 16.4176,
16.4309

■ 22.8827, 16.4176,
16.4309

259.6685,
231.7934, 243.8030

■ 14.6271, 9.8201,
9.6719

■ 47.6687, 37.3217,
38.1218

■ 8.6427, 5.2799,
5.0792

■ 64.9299, 52.3971,
53.8908

■ 4.5641, 2.4124,
2.2343

■ 85.9236, 71.0672,
73.5003

■ 2.0260, 0.8323,
0.6940

■ 111.0153, 93.7166,
97.3687

■ 0.6485, 0.0000,
0.0000

■ 140.5703,
120.7295, 125.9147

■ 0.0000, 0.0000,
0.0000

174.9539,

152.4903, 159.5567

214.5316,
189.3835, 198.7133

■ 22.8827, 16.4176,
16.4309

■ 22.8827, 16.4176,
16.4309

■ 21.0526, 13.7568,
12.7398

■ 25.1357, 19.7714,
20.7335

■ 19.6163, 11.7375,
9.6302

■ 27.8352, 23.8600,
25.6735

■ 18.5430, 10.3051,
7.0711

■ 31.0048, 28.7245,
31.2765

■ 17.7968, 9.3947,
5.0276

■ 34.6660, 34.4026,
37.5663

■ 17.3058, 8.8712,
3.4509

■ 38.8389, 40.9292,
44.5655

■ 17.2930, 8.8573,
3.4104

■ 43.5425, 48.3374,
52.2956

■ 48.7947, 56.6585,
60.7774

■ 54.6127, 65.9221,
70.0305

■ 61.0129, 76.1566,
80.0740

Harmonies

Analogous

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



22.1242, 16.4176, 26.9143



22.8827, 16.4176, 16.4309



21.4759, 16.4176, 9.3554

Triad

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



22.8827, 16.4176, 16.4309



12.2443, 16.4176, 6.6491



13.0248, 16.4176, 40.0523

Complementary

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



22.8827, 16.4176, 16.4309



23.7468, 33.2428, 33.1836

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.



10.9144, 16.4176, 30.4386



22.8827, 16.4176, 16.4309



10.5107, 16.4176, 11.1283

Square

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



22.8827, 16.4176, 16.4309



15.0913, 16.4176, 5.1329



10.0606, 16.4176, 19.4034



16.1290, 16.4176, 43.0375

Rectangle

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



22.8827, 16.4176, 16.4309



19.6025, 16.4176, 6.7147



10.0606, 16.4176, 19.4034



12.1907, 16.4176, 37.3546

Sweetspot

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



22.8831, 16.4184, 16.4312



58.3282, 55.7751, 60.8614



22.6968, 15.7921, 40.3801



12.7146, 11.9847, 13.0672



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



22.8831, 16.4184, 16.4312



37.3150, 24.0819, 22.0012



23.4673, 19.3154, 11.2965



8.0909, 8.0496, 8.7897



13.0558, 6.6848, 2.6731



0.3862, 0.1952, 0.1956

Inverse Universe

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



22.8831, 16.4184, 16.4312



37.3150, 24.0819, 22.0012



22.5122, 27.5656, 42.6623



8.0909, 8.0496, 8.7897



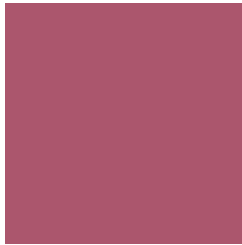
13.0558, 6.6848, 2.6731



0.3862, 0.1952, 0.1956

Previews

White Background



This preview shows how the XYZ color 22.8827, 16.4176, 16.4309 looks on a white background.

Color Contrast Check

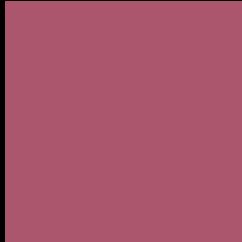
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.8827, 16.4176, 16.4309 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 22.8827, 16.4176, 16.4309

Background



This preview shows how black text looks on a background with the XYZ color 22.8827, 16.4176, 16.4309.



This preview shows how white text looks on a background with the XYZ color 22.8827, 16.4176,

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

22.8827, 16.4176, 16.4309

Protanopia

16.2253, 16.7102, 21.4390

Deuteranopia

16.7708, 16.4692, 15.6596



Tritanopia

22.2155, 16.5170, 12.8437

Trichromacy



Original Color

22.8827, 16.4176, 16.4309

Protanomaly

17.8529, 16.0190, 19.6038

Deuteranomaly

18.5829, 16.1876, 15.7808

Tritanomaly

22.3675, 16.4456, 14.0520

Monochromacy



Original Color

22.8827, 16.4176, 16.4309

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

17.8666, 16.2214, 17.5186

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.8827, 16.4176, 16.4309 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(171, 86, 109)` looks like.

```
.text, #text, p{  
    color:rgb(171, 86, 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(171, 86, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 86, 109) }
```

Border

The CSS property to change the border of an element to XYZ 22.8827, 16.4176, 16.4309 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(171, 86, 109) }
```


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

```
.border{ border-color:rgb(171, 86, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 86, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 86, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 86, 109);  
box-shadow:4px 4px 4px 4px rgb(171, 86,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 22.8827, 16.4176, 16.4309 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 86, 109) }
```

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

```
.background{ background-color: rgb(171, 86,  
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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