

Converting Colors

XYZ(16.0955, 12.1901, 15.8514)

Have a look what the booklet for
XYZ(16.0955, 12.1901, 15.8514)
contains.

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Color

**XYZ(16.1102, 12.2447,
15.9824)**

Conversions

Conversions Part 1

Format	Color
Hex	8A506D
RGB	138, 80, 109
RGB Percent	54%, 31%, 43%
CMY	0.4588, 0.6863, 0.5725
CMYK	0.00, 0.42, 0.21, 0.46
HSL	330°, 27%, 43%
HSV	330°, 42%, 54%
XYZ	16.1102, 12.2447, 15.9824
YIQ	100.6480, 25.2590, 21.3150

Conversions

Conversions Part 2

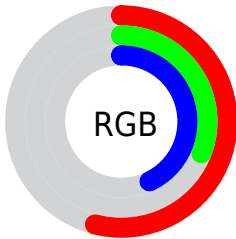
Format	Color
R_{YB}	138, 80, 109
Decimal	9064557
CIE _{Lab}	41.60, 28.42, -6.19
CIE _{LCh}	42, 29.089, 347.720
Yxy	12.2447, 0.3634, 0.2762
Android (android.graphics.Color)	4287254637 (0xFF8A506D)
YUV	100.6480, 4.1175, 32.7577
Hunter-Lab	34.9924, 20.9431, -2.5853

Details

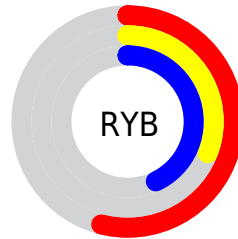
The XYZ color **16.1102, 12.2447, 15.9824** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **15.1576, 20.9869, 17.7209**, and the grayscale version is **12.2645, 12.9032, 14.0516**.

A 20% lighter version of the original color is **36.3201, 29.8408, 37.1033**, and **5.2511, 3.4139, 4.9396** is the 20% darker color. If you saturate the color by 10%, you get **14.8447, 10.2849, 13.7993**, and if you desaturate by 10%, it is **17.6132, 14.6325, 18.3888**.

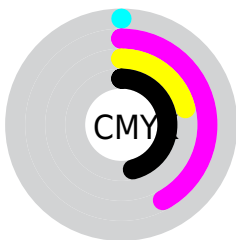
Distribution



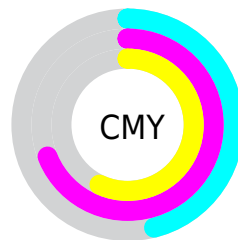
- Red (54%)
- Green (31%)
- Blue (43%)



- Red (54%)
- Yellow (31%)
- Blue (43%)



- Cyan (0%)
- Magenta (42%)
- Yellow (21%)
- Black (46%)



- Cyan (46%)
- Magenta (69%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.1102, 12.2447, 15.9824 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 16.1102, 12.2447, 15.9824 by changing the saturation by 10% instead.

■ 16.1102, 12.2447,
15.9824

■ 16.1102, 12.2447,
15.9824

223.2487,
206.0186, 241.0800

■ 9.6935, 6.9106,
9.3575

■ 36.3453, 29.9400,
37.3340

■ 5.2569, 3.4062,
4.8751

■ 50.8944, 43.0699,
52.8978

■ 2.4351, 1.3473,
2.1167

■ 68.8851, 59.5673,
72.2783

■ 0.8626, 0.1774,
0.6257

■ 90.6826, 79.8164,
95.8940

■ 0.0000, 0.0000,
0.0000

■ 116.6524,
104.2017, 124.1635

147.1598,

133.1076, 157.5053

182.5701,
166.9184, 196.3379

■ 16.1102, 12.2447,
15.9824

■ 16.1102, 12.2447,
15.9824

■ 14.8447, 10.2849,
13.7993

■ 17.6132, 14.6325,
18.3888

■ 13.8020, 8.7253,
11.8309

■ 19.3649, 17.4701,
21.0252

■ 12.9677, 7.5380,
10.0693


■ 21.3771, 20.7801,
23.8985


■ 12.3250, 6.6903,
8.5051


■ 23.6605, 24.5829,
27.0154


■ 11.8539, 6.1439,
7.1282


■ 26.2254, 28.8978,
30.3821

 11.5554, 5.8329,
6.1466

 29.0812, 33.7430,
34.0047

 32.2370, 39.1359,
37.8890

 35.7015, 45.0931,
42.0404

 39.4832, 51.6302,
46.4645

Harmonies

Analogous

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



14.9346, 12.2447, 22.8686



16.1102, 12.2447, 15.9824



15.9857, 12.2447, 10.0751

Triad

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



16.1102, 12.2447, 15.9824



10.4370, 12.2447, 4.9971



9.0975, 12.2447, 24.0140

Complementary

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



16.1102, 12.2447, 15.9824



15.1576, 20.9869, 17.7209

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.



8.1604, 12.2447, 17.2255



16.1102, 12.2447, 15.9824



8.8665, 12.2447, 6.9021

Square

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



16.1102, 12.2447, 15.9824



12.5301, 12.2447, 4.8489



8.0814, 12.2447, 10.9928



10.7897, 12.2447, 28.3680

Rectangle

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



16.1102, 12.2447, 15.9824



15.1830, 12.2447, 7.3727



8.0814, 12.2447, 10.9928



8.6932, 12.2447, 21.8608

Sweetspot

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



16.1106, 12.2453, 15.9826



37.2111, 35.8515, 41.4681



13.7633, 10.8242, 25.4087



8.1851, 7.7752, 9.0739



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.



16.1106, 12.2453, 15.9826



26.3625, 18.4284, 24.6754



14.7983, 11.7204, 9.0724



5.1303, 5.0876, 5.7747



10.6020, 5.3509, 5.6743



0.0778, 0.0385, 0.0766

Inverse Universe

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



16.1106, 12.2453, 15.9826



26.3625, 18.4284, 24.6754



16.9846, 21.7177, 27.3416



5.1303, 5.0876, 5.7747



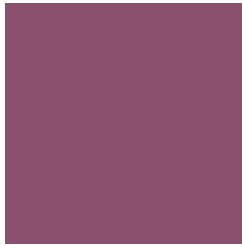
10.6020, 5.3509, 5.6743



0.0778, 0.0385, 0.0766

Previews

White Background



This preview shows how the XYZ color 16.1102, 12.2447, 15.9824 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



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

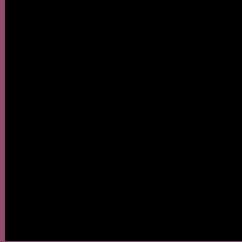
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.1102, 12.2447, 15.9824

Background



This preview shows how black text looks on a background with the XYZ color 16.1102, 12.2447, 15.9824.



This preview shows how white text looks on a background with the XYZ color 16.1102, 12.2447,

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

16.1102, 12.2447, 15.9824

Protanopia

12.3331, 12.4430, 19.8409

Deuteranopia

12.6101, 12.4096, 15.3663



Tritanopia

15.1691, 12.3131, 11.2500

Trichromacy



Original Color

16.1102, 12.2447, 15.9824

Protanomaly

13.2586, 12.0177, 18.4505

Deuteranomaly

13.6461, 12.1558, 15.5370

Tritanomaly

15.5675, 12.3679, 12.8760

Monochromacy



Original Color

16.1102, 12.2447, 15.9824

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

13.3525, 12.4056, 14.7875

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.1102, 12.2447, 15.9824 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, 80, 109)` looks like.

```
.text, #text, p{  
    color:rgb(138, 80, 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, 80, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 80, 109) }
```

Border

The CSS property to change the border of an element to XYZ 16.1102, 12.2447, 15.9824 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, 80, 109) }
```


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

```
.border{ border-color:rgb(138, 80, 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, 80, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 80, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 80, 109);  
box-shadow:4px 4px 4px 4px rgb(138, 80,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 16.1102, 12.2447, 15.9824 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 80, 109) }
```

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

```
.background{ background-color: rgb(138, 80,  
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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