

Converting Colors

XYZ(16.6819, 12.0016, 12.0270)

Have a look what the booklet for
XYZ(16.6819, 12.0016, 12.0270)
contains.

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Color

**XYZ(16.6819, 12.0016,
12.0270)**

Conversions

Conversions Part 1

Format	Color
Hex	944A5E
RGB	148, 74, 94
RGB Percent	58%, 29%, 37%
CMY	0.4196, 0.7098, 0.6314
CMYK	0.00, 0.50, 0.36, 0.42
HSL	344°, 33%, 44%
HSV	344°, 50%, 58%
XYZ	16.6819, 12.0016, 12.0270
YIQ	98.4060, 37.6840, 21.9080

Conversions

Conversions Part 2

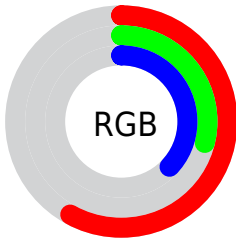
Format	Color
RYB	148, 74, 94
Decimal	9718366
CIELab	41.22, 33.31, 2.69
CIElCh	41, 33.421, 4.619
Yxy	12.0016, 0.4098, 0.2948
Android (android.graphics.Color)	4287908446 (0xFF944A5E)
YUV	98.4060, -2.1722, 43.4939
Hunter-Lab	34.6433, 25.3278, 3.6668

Details

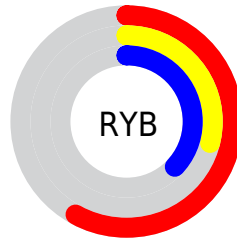
The XYZ color **16.6819, 12.0016, 12.0270** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **17.3108, 24.1945, 24.1810**, and the grayscale version is **11.7097, 12.3195, 13.4159**.

A 20% lighter version of the original color is **37.2695, 29.5182, 30.1188**, and **5.4972, 3.2883, 3.1413** is the 20% darker color. If you saturate the color by 10%, you get **15.3563, 10.0725, 9.3590**, and if you desaturate by 10%, it is **18.3085, 14.4240, 15.1302**.

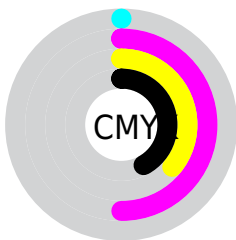
Distribution



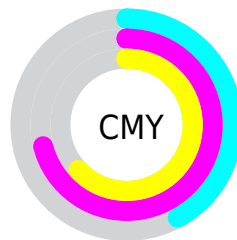
- Red (58%)
- Green (29%)
- Blue (37%)



- Red (58%)
- Yellow (29%)
- Blue (37%)



- Cyan (0%)
- Magenta (50%)
- Yellow (36%)
- Black (42%)



- Cyan (42%)
- Magenta (71%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.6819, 12.0016, 12.0270 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 16.6819, 12.0016, 12.0270 by changing the saturation by 10% instead.

■ 16.6819, 12.0016,
12.0270

■ 16.6819, 12.0016,
12.0270

226.5247,
204.4159, 215.5682

■ 10.1018, 6.7448,
6.6393

■ 37.3260, 29.4980,
30.2094

■ 5.5293, 3.3030,
3.1626

■ 52.1208, 42.5064,
43.8412

■ 2.5990, 1.2919,
1.1782

■ 70.3845, 58.8674,
61.0581

■ 0.9454, 0.1349,
0.0000

■ 92.4825, 78.9655,
82.2787

■ 0.0000, 0.0000,
0.0000

■ 118.7802,
103.1849, 107.9214

149.6428,

131.9102, 138.4049

185.4359,
165.5258, 174.1476

■ 16.6819, 12.0016,
12.0270

■ 16.6819, 12.0016,
12.0270

■ 15.3563, 10.0725,
9.3590

■ 18.3085, 14.4240,
15.1302

■ 14.3113, 8.6007,
7.1053

■ 20.2526, 17.3688,
18.6868

■ 13.5256, 7.5480,
5.2440


■ 22.5308, 20.8650,
22.7148


■ 12.9739, 6.8693,
3.7508


■ 25.1582, 24.9389,
27.2309


■ 12.5958, 6.4492,
2.5883


■ 28.1489, 29.6153,
32.2510

 12.5957, 6.4491,
2.5880

 31.5162, 34.9173,
37.7903

 35.2728, 40.8668,
43.8632

 39.4308, 47.4848,
50.4838

 44.0017, 54.7913,
57.6654

Harmonies

Analogous

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



16.1308, 12.0016, 19.6270



16.6819, 12.0016, 12.0270



15.6648, 12.0016, 6.8815

Triad

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



16.6819, 12.0016, 12.0270



8.9702, 12.0016, 4.9021



9.5327, 12.0016, 29.1143

Complementary

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



16.6819, 12.0016, 12.0270



17.3108, 24.1945, 24.1810

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.



8.0006, 12.0016, 22.1584



16.6819, 12.0016, 12.0270



7.7094, 12.0016, 8.1617

Square

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



16.6819, 12.0016, 12.0270



11.0377, 12.0016, 3.7968



7.3811, 12.0016, 14.1668



11.7847, 12.0016, 31.2789

Rectangle

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



16.6819, 12.0016, 12.0270



14.3084, 12.0016, 4.9549



7.3811, 12.0016, 14.1668



8.9273, 12.0016, 27.1624

Sweetspot

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



16.6822, 12.0022, 12.0272



41.8540, 40.0623, 43.7134



16.5519, 11.5509, 29.3742



9.3552, 8.8369, 9.6354



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



16.6822, 12.0022, 12.0272



26.8485, 17.4192, 15.9980



17.1082, 14.1089, 8.3009



5.8614, 5.8396, 6.3760



10.7689, 5.5126, 2.2642



0.1428, 0.0719, 0.0855

Inverse Universe

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



16.6822, 12.0022, 12.0272



26.8485, 17.4192, 15.9980



16.4165, 20.0879, 31.0291



5.8614, 5.8396, 6.3760



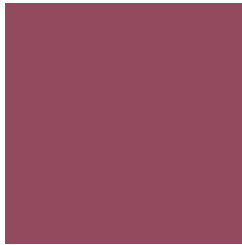
10.7689, 5.5126, 2.2642



0.1428, 0.0719, 0.0855

Previews

White Background



This preview shows how the XYZ color 16.6819, 12.0016, 12.0270 looks on a white background.

Color Contrast Check

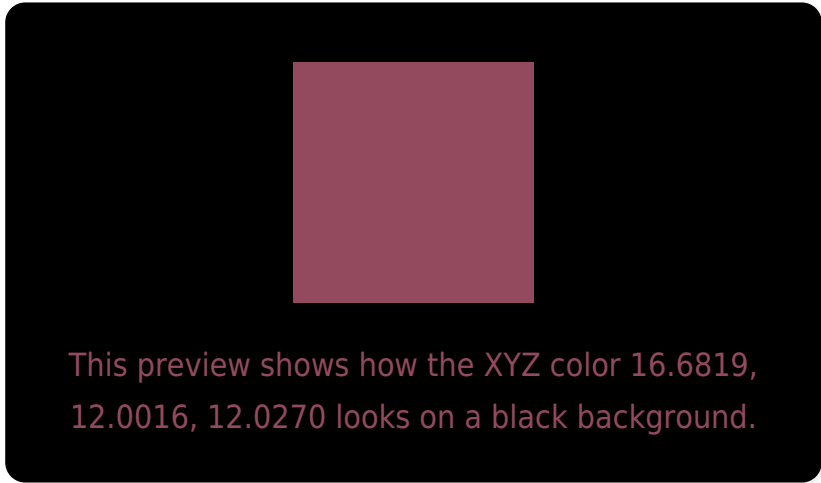
Large Text (above 18pt) WCAG AA ✓ Pass

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

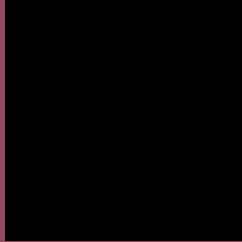
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.6819, 12.0016, 12.0270

Background



This preview shows how black text looks on a background with the XYZ color 16.6819, 12.0016, 12.0270.



This preview shows how white text looks on a background with the XYZ color 16.6819, 12.0016,

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

16.6819, 12.0016, 12.0270

Protanopia

11.8583, 12.1523, 15.6305

Deuteranopia

12.3214, 12.0757, 11.5790



Tritanopia

16.1401, 11.9811, 9.4446

Trichromacy



Original Color

16.6819, 12.0016, 12.0270

Protanomaly

13.1731, 11.8171, 14.1570

Deuteranomaly

13.6521, 11.8742, 11.6976

Tritanomaly

16.2284, 11.9071, 10.2471

Monochromacy



Original Color

16.6819, 12.0016, 12.0270

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

12.9325, 11.7208, 12.8900

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.6819, 12.0016, 12.0270 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(148, 74, 94)` looks like.

```
.text, #text, p{  
    color:rgb(148, 74, 94)  
}
```

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(148, 74, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 74, 94) }
```

Border

The CSS property to change the border of an element to XYZ 16.6819, 12.0016, 12.0270 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(148, 74, 94) }
```


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

```
.border{ border-color:rgb(148, 74, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 74, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 74, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 74, 94);  
box-shadow:4px 4px 4px 4px rgb(148, 74,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 16.6819, 12.0016, 12.0270 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 74, 94) }
```

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

```
.background{ background-color: rgb(148, 74,  
94) }
```

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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