

Converting Colors

XYZ(16.9719, 12.2841, 18.1323)

Have a look what the booklet for
XYZ(16.9719, 12.2841, 18.1323)
contains.

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Color

**XYZ(16.9616, 12.3195,
18.0069)**

Conversions

Conversions Part 1

Format	Color
Hex	8E4D74
RGB	142, 77, 116
RGB Percent	56%, 30%, 45%
CMY	0.4431, 0.6980, 0.5451
CMYK	0.00, 0.46, 0.18, 0.44
HSL	324°, 30%, 43%
HSV	324°, 46%, 56%
XYZ	16.9616, 12.3195, 18.0069
YIQ	100.8810, 26.2210, 25.9090

Conversions

Conversions Part 2

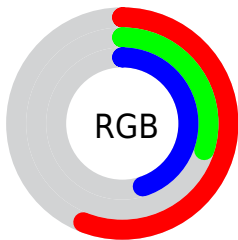
Format	Color
R_{YB}	142, 77, 116
Decimal	9325940
CIE Lab	41.72, 32.71, -10.26
CIE LCh	42, 34.282, 342.579
Yxy	12.3195, 0.3587, 0.2605
Android (android.graphics.Color)	4287516020 (0xFF8E4D74)
YUV	100.8810, 7.4537, 36.0614
Hunter-Lab	35.0991, 24.8363, -5.8481

Details

The XYZ color **16.9616, 12.3195, 18.0069** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **15.1823, 21.9034, 16.2606**, and the grayscale version is **12.3160, 12.9574, 14.1106**.

A 20% lighter version of the original color is **37.8130, 30.1358, 40.8696**, and **5.6992, 3.4697, 5.8382** is the 20% darker color. If you saturate the color by 10%, you get **15.7540, 10.4169, 16.0237**, and if you desaturate by 10%, it is **18.4071, 14.6651, 20.1693**.

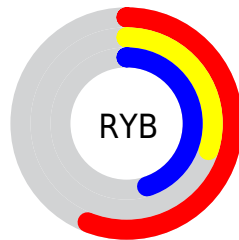
Distribution



Red (56%)

Green (30%)

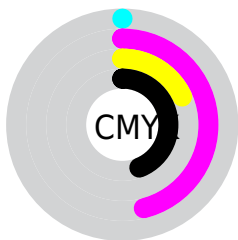
Blue (45%)



Red (56%)

Yellow (30%)

Blue (45%)

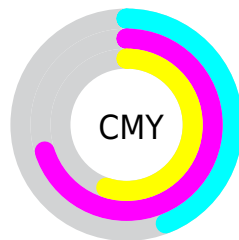


Cyan (0%)

Magenta (46%)

Yellow (18%)

Black (44%)



Cyan (44%)

Magenta (70%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.9616, 12.3195, 18.0069 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 16.9616, 12.3195, 18.0069 by changing the saturation by 10% instead.

16.9616, 12.3195,
18.0069

16.9616, 12.3195,
18.0069

228.1116,
206.5091, 253.1474

10.3023, 6.9617,
10.7854

37.8039, 30.0757,
40.8632

5.6636, 3.4381,
5.8104

52.7175, 43.2428,
57.3351

2.6803, 1.3645,
2.6632

71.1133, 59.7819,
77.7276

0.9871, 0.1904,
0.9248

93.3565, 80.0772,
102.4591

0.0000, 0.0000,
0.0000

119.8126,
104.5132, 131.9484

150.8469,

133.4742, 166.6138

186.8248,
167.3447, 206.8739

■ 16.9616, 12.3195,
18.0069

■ 16.9616, 12.3195,
18.0069

■ 15.7540, 10.4169,
16.0237

■ 18.4071, 14.6651,
20.1693

■ 14.7685, 8.9270,
14.2124

■ 20.1026, 17.4782,
22.5164

■ 13.9892, 7.8182,
12.5660

■ 22.0609, 20.7833,
25.0542

■ 13.3974, 7.0536,
11.0762

■ 24.2933, 24.6029,
27.7881

■ 12.9655, 6.5791,
9.7322

■ 26.8108, 28.9579,
30.7233

■ 12.8030, 6.4098,
9.1979

■ 29.6234, 33.8681,
33.8648

■ 32.7408, 39.3525,
37.2174

■ 36.1722, 45.4289,
40.7856

■ 39.9264, 52.1145,
44.5738

Harmonies

Analogous

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



15.2993, 12.3195, 26.4298



16.9616, 12.3195, 18.0069



17.0974, 12.3195, 10.6155

Triad

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



16.9616, 12.3195, 18.0069



10.6864, 12.3195, 3.9231



8.4945, 12.3195, 25.1497

Complementary

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



16.9616, 12.3195, 18.0069



15.1823, 21.9034, 16.2606

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.



7.5919, 12.3195, 16.6652



16.9616, 12.3195, 18.0069



8.7301, 12.3195, 5.5765

Square

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



16.9616, 12.3195, 18.0069



13.2191, 12.3195, 4.0581



7.6715, 12.3195, 9.6769



10.3191, 12.3195, 31.4646

Rectangle

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



16.9616, 12.3195, 18.0069



16.2801, 12.3195, 7.2482



7.6715, 12.3195, 9.6769



8.0858, 12.3195, 22.3488

Sweetspot

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



16.9620, 12.3201, 18.0071



39.4542, 37.5887, 44.8725



13.1305, 10.1450, 26.8575



8.6534, 8.1255, 9.8231



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



16.9620, 12.3201, 18.0071



27.7093, 18.2590, 28.1323



15.3904, 11.6915, 9.7314



5.5361, 5.4750, 6.3213



11.5043, 5.7587, 8.3069



0.1209, 0.0594, 0.1369

Inverse Universe

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



16.9620, 12.3201, 18.0071



27.7093, 18.2590, 28.1323



17.1425, 22.6875, 26.5826



5.5361, 5.4750, 6.3213



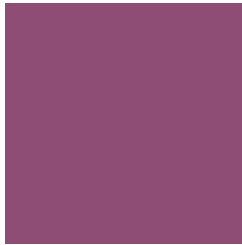
11.5043, 5.7587, 8.3069



0.1209, 0.0594, 0.1369

Previews

White Background



This preview shows how the XYZ color 16.9616, 12.3195, 18.0069 looks on a white background.

Color Contrast Check

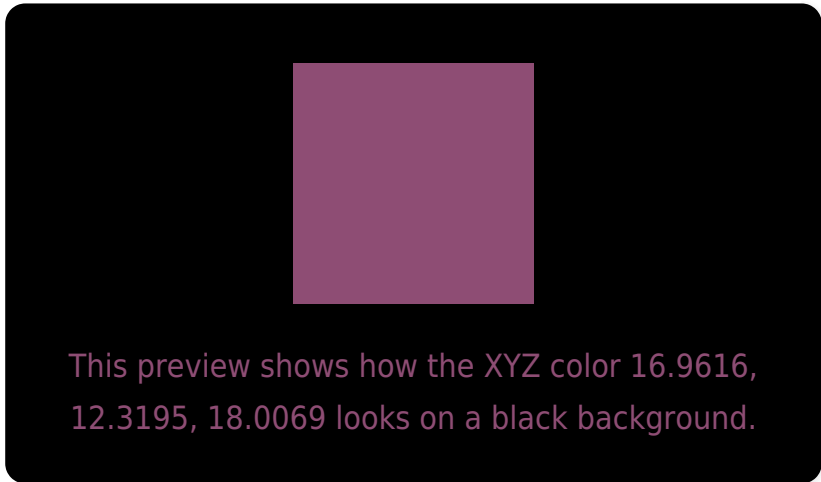
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.9616, 12.3195, 18.0069

Background



This preview shows how black text looks on a background with the XYZ color 16.9616, 12.3195, 18.0069.



This preview shows how white text looks on a background with the XYZ color 16.9616, 12.3195,

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

16.9616, 12.3195, 18.0069

Protanopia

12.6134, 12.5207, 22.8710

Deuteranopia

12.6430, 12.3828, 17.3465



Tritanopia

15.5439, 12.3967, 11.0248

Trichromacy



Original Color

16.9616, 12.3195, 18.0069

Protanomaly

13.6645, 12.0442, 21.0066

Deuteranomaly

13.9458, 12.1416, 17.5281

Tritanomaly

16.0098, 12.3612, 13.3465

Monochromacy



Original Color

16.9616, 12.3195, 18.0069

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

13.6311, 12.4079, 15.3122

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.9616, 12.3195, 18.0069 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(142, 77, 116)` looks like.

```
.text, #text, p{  
    color:rgb(142, 77, 116)  
}
```

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(142, 77, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 77, 116) }
```

Border

The CSS property to change the border of an element to XYZ 16.9616, 12.3195, 18.0069 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(142, 77, 116) }
```


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

```
.border{ border-color:rgb(142, 77, 116) }
```

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

Here you see how a box with a 4 pixel rgb(142, 77, 116) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 77, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 77, 116);  
box-shadow:4px 4px 4px 4px rgb(142, 77,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 16.9616, 12.3195, 18.0069 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 77, 116) }
```

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

```
.background{ background-color: rgb(142, 77,  
116) }
```

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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