

Converting Colors

XYZ(16.1356, 11.8989, 15.3838)

Have a look what the booklet for
XYZ(16.1356, 11.8989, 15.3838)
contains.

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Color

**XYZ(16.1229, 11.9447,
15.3657)**

Conversions

Conversions Part 1

Format	Color
Hex	8C4D6B
RGB	140, 77, 107
RGB Percent	55%, 30%, 42%
CMY	0.4510, 0.6980, 0.5804
CMYK	0.00, 0.45, 0.24, 0.45
HSL	331°, 29%, 43%
HSV	331°, 45%, 55%
XYZ	16.1229, 11.9447, 15.3657
YIQ	99.2570, 27.9180, 22.6860

Conversions

Conversions Part 2

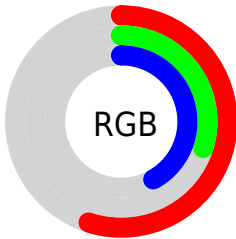
Format	Color
R_{YB}	140, 77, 107
Decimal	9194859
CIE Lab	41.13, 30.54, -5.63
CIE LCh	41, 31.055, 349.556
Yxy	11.9447, 0.3712, 0.2750
Android (android.graphics.Color)	4287384939 (0xFF8C4D6B)
YUV	99.2570, 3.8173, 35.7316
Hunter-Lab	34.5611, 22.7891, -2.1673

Details

The XYZ color **16.1229, 11.9447, 15.3657** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **15.2536, 21.4600, 18.0910**, and the grayscale version is **11.9106, 12.5308, 13.6461**.

A 20% lighter version of the original color is **36.3964, 29.5091, 36.1253**, and **5.2795, 3.2797, 4.6297** is the 20% darker color. If you saturate the color by 10%, you get **14.8771, 10.0445, 13.1269**, and if you desaturate by 10%, it is **17.6130, 14.2808, 17.8477**.

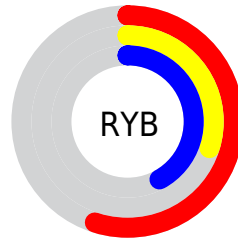
Distribution



Red (55%)

Green (30%)

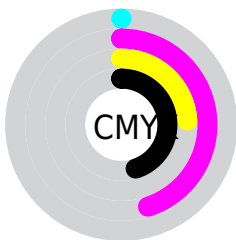
Blue (42%)



Red (55%)

Yellow (30%)

Blue (42%)

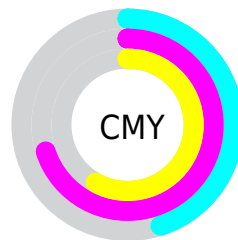


Cyan (0%)

Magenta (45%)

Yellow (24%)

Black (45%)



Cyan (45%)

Magenta (70%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.1229, 11.9447, 15.3657 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 16.1229, 11.9447, 15.3657 by changing the saturation by 10% instead.

■ 16.1229, 11.9447,
15.3657

■ 16.1229, 11.9447,
15.3657

223.3220,
204.0388, 237.2857

■ 9.7026, 6.7060,
8.9270

■ 36.3672, 29.3943,
36.2448

■ 5.2629, 3.2789,
4.5974

■ 50.9218, 42.3741,
51.5222

■ 2.4387, 1.2790,
1.9585

■ 68.9186, 58.7030,
70.5830

■ 0.8644, 0.1249,
0.5296

■ 90.7228, 78.7655,
93.8457

■ 0.0000, 0.0000,
0.0000

■ 116.7000,
102.9460, 121.7287

147.2153,

131.6287, 154.6507

182.6342,
165.1982, 193.0302

■ 16.1229, 11.9447,
15.3657

■ 16.1229, 11.9447,
15.3657

■ 14.8771, 10.0445,
13.1269

■ 17.6130, 14.2808,
17.8477

■ 13.8601, 8.5509,
11.1217

■ 19.3595, 17.0763,
20.5803

■ 13.0561, 7.4336,
9.3409

■ 21.3751, 20.3550,
23.5717

■ 12.4467, 6.6572,
7.7740

■ 23.6711, 24.1387,
26.8293

■ 12.0073, 6.1739,
6.4083

■ 26.2583, 28.4476,
30.3600

■ 11.8183, 5.9767,
5.7881

■ 29.1469, 33.3010,
34.1708

■ 32.3465, 38.7171,
38.2680

■ 35.8663, 44.7134,
42.6580

■ 39.7152, 51.3064,
47.3469

Harmonies

Analogous

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



14.9458, 11.9447, 22.7295



16.1229, 11.9447, 15.3657



15.9008, 11.9447, 9.3073

Triad

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



16.1229, 11.9447, 15.3657



9.9751, 11.9447, 4.5166



8.7884, 11.9447, 24.7939

Complementary

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



16.1229, 11.9447, 15.3657



15.2536, 21.4600, 18.0910

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.



7.7674, 11.9447, 17.5733



16.1229, 11.9447, 15.3657



8.3878, 11.9447, 6.5464

Square

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



16.1229, 11.9447, 15.3657



12.1497, 11.9447, 4.2713



7.6311, 11.9447, 10.9007



10.5921, 11.9447, 29.2425

Rectangle

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



16.1229, 11.9447, 15.3657



14.9973, 11.9447, 6.6394



7.6311, 11.9447, 10.9007



8.3529, 11.9447, 22.5181

Sweetspot

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



16.1232, 11.9453, 15.3659



38.3471, 36.9720, 42.5140



13.7626, 10.4880, 26.1100



8.6598, 8.2302, 9.5414



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.



16.1232, 11.9453, 15.3659



26.2010, 17.6670, 23.0907



14.8831, 11.5677, 8.4702



5.1255, 5.0857, 5.7496



10.5109, 5.3145, 5.1949



0.0771, 0.0382, 0.0730

Inverse Universe

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



16.1232, 11.9453, 15.3659



26.2010, 17.6670, 23.0907



17.0199, 21.9222, 28.1454



5.1255, 5.0857, 5.7496



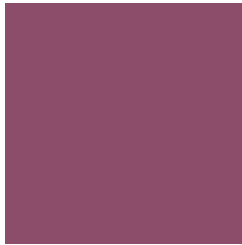
10.5109, 5.3145, 5.1949



0.0771, 0.0382, 0.0730

Previews

White Background



This preview shows how the XYZ color 16.1229, 11.9447, 15.3657 looks on a white background.

Color Contrast Check

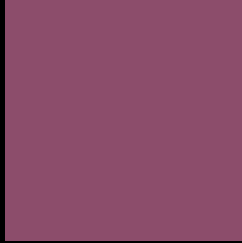
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.1229, 11.9447, 15.3657 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 16.1229, 11.9447, 15.3657

Background



This preview shows how black text looks on a background with the XYZ color 16.1229, 11.9447, 15.3657.



This preview shows how white text looks on a background with the XYZ color 16.1229, 11.9447,

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

16.1229, 11.9447, 15.3657

Protanopia

12.0785, 12.1808, 19.4838

Deuteranopia

12.2998, 12.1270, 14.7892



Tritanopia

15.1440, 11.9763, 10.5303

Trichromacy



Original Color

16.1229, 11.9447, 15.3657

Protanomaly

13.0574, 11.8013, 17.8093

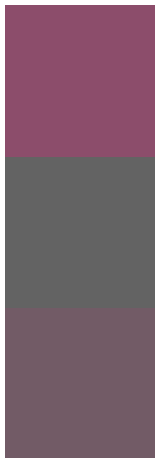
Deuteranomaly

13.3756, 11.7813, 14.9336

Tritanomaly

15.5365, 12.0344, 12.0937

Monochromacy



Original Color

16.1229, 11.9447, 15.3657

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

13.0788, 12.0189, 14.2009

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.1229, 11.9447, 15.3657 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(140, 77, 107)` looks like.

```
.text, #text, p{  
    color:rgb(140, 77, 107)  
}
```

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(140, 77, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 77, 107) }
```

Border

The CSS property to change the border of an element to XYZ 16.1229, 11.9447, 15.3657 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(140, 77, 107) }
```


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

```
.border{ border-color:rgb(140, 77, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 77, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 77, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 77, 107);  
box-shadow:4px 4px 4px 4px rgb(140, 77,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 16.1229, 11.9447, 15.3657 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 77, 107) }
```

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

```
.background{ background-color: rgb(140, 77,  
107) }
```

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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