

Converting Colors

XYZ(16.7896, 14.0123, 18.5506)

Have a look what the booklet for
XYZ(16.7896, 14.0123, 18.5506)
contains.

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Color

**XYZ(16.7109, 13.9252,
18.6367)**

Conversions

Conversions Part 1

Format	Color
Hex	855C75
RGB	133, 92, 117
RGB Percent	52%, 36%, 46%
CMY	0.4784, 0.6392, 0.5412
CMYK	0.00, 0.31, 0.12, 0.48
HSL	323°, 18%, 44%
HSV	323°, 31%, 52%
XYZ	16.7109, 13.9252, 18.6367
YIQ	107.1090, 16.4110, 16.4670

Conversions

Conversions Part 2

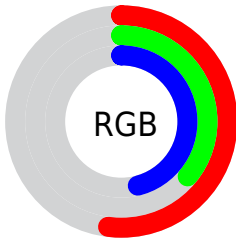
Format	Color
R_{YB}	133, 92, 117
Decimal	8739957
CIE Lab	44.13, 20.95, -7.38
CIE LCh	44, 22.208, 340.589
Yxy	13.9252, 0.3392, 0.2826
Android (android.graphics.Color)	4286930037 (0xFF855C75)
YUV	107.1090, 4.8763, 22.7064
Hunter-Lab	37.3165, 14.6312, -3.4892

Details

The XYZ color **16.7109, 13.9252, 18.6367** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **15.5085, 20.1335, 17.2570**, and the grayscale version is **13.9894, 14.7180, 16.0279**.

A 20% lighter version of the original color is **37.4774, 33.0743, 41.9448**, and **5.5798, 4.1454, 6.1363** is the 20% darker color. If you saturate the color by 10%, you get **15.3616, 11.7015, 16.7228**, and if you desaturate by 10%, it is **18.2802, 16.5615, 20.7078**.

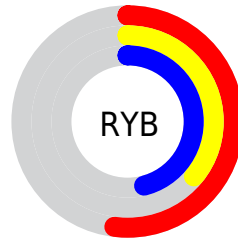
Distribution



Red (52%)

Green (36%)

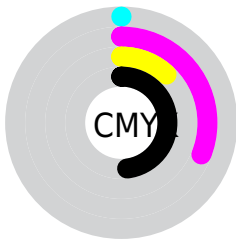
Blue (46%)



Red (52%)

Yellow (36%)

Blue (46%)

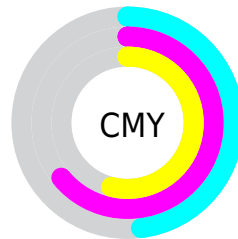


Cyan (0%)

Magenta (31%)

Yellow (12%)

Black (48%)



Cyan (48%)

Magenta (64%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.7109, 13.9252, 18.6367 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 16.7109, 13.9252, 18.6367 by changing the saturation by 10% instead.

■ 16.7109, 13.9252,
18.6367

■ 16.7109, 13.9252,
18.6367

226.6897,
216.7650, 256.7913

■ 10.1226, 8.0687,
11.2339

■ 37.3756, 32.9562,
41.9478

■ 5.5432, 4.1389,
6.1082

■ 52.1827, 46.8995,
58.6932

■ 2.6074, 1.7516,
2.8412

■ 70.4602, 64.3072,
79.3898

■ 0.9497, 0.4567,
1.0141

■ 92.5733, 85.5637,
104.4563

■ 0.0000, 0.0000,
0.0000

118.8875,
111.0533, 134.3112

149.7680,

141.1604, 169.3729

185.5803,
176.2695, 210.0601

■ 16.7109, 13.9252,
18.6367

■ 16.7109, 13.9252,
18.6367

■ 15.3616, 11.7015,
16.7228

■ 18.2802, 16.5615,
20.7078

■ 14.2203, 9.8672,
14.9602

■ 20.0784, 19.6283,
22.9398

■ 13.2756, 8.3998,
13.3440

■ 22.1153, 23.1446,
25.3375

■ 12.5143, 7.2737,
11.8683

■ 24.3998, 27.1278,
27.9051

■ 11.9218, 6.4597,
10.5268

■ 26.9403, 31.5942,
30.6466

■ 11.4809, 5.9241,
9.3123

■ 29.7449, 36.5596,
33.5658

■ 11.1617, 5.5821,
8.2924

■ 32.8211, 42.0389,
36.6666

■ 36.1763, 48.0464,
39.9525

■ 39.8177, 54.5957,
43.4270

Harmonies

Analogous

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



15.5749, 13.9252, 23.8312



16.7109, 13.9252, 18.6367



16.8696, 13.9252, 13.4411

Triad

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



16.7109, 13.9252, 18.6367



12.6200, 13.9252, 7.4591



10.8162, 13.9252, 22.4269

Complementary

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



16.7109, 13.9252, 18.6367



15.5085, 20.1335, 17.2570

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.



10.1648, 13.9252, 17.0243



16.7109, 13.9252, 18.6367



11.1429, 13.9252, 8.9008

Square

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



16.7109, 13.9252, 18.6367



14.3988, 13.9252, 7.7035



10.2788, 13.9252, 12.1488



12.1366, 13.9252, 26.3347

Rectangle

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



16.7109, 13.9252, 18.6367



16.3858, 13.9252, 10.7244



10.2788, 13.9252, 12.1488



10.5172, 13.9252, 20.6811

Sweetspot

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



16.7113, 13.9258, 18.6370



36.5176, 36.1149, 41.7556



14.2113, 12.5189, 23.8579



8.1283, 7.9666, 9.2885



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



16.7113, 13.9258, 18.6370



28.1906, 22.0685, 30.9409



15.6481, 13.5005, 13.0382



4.7829, 4.7328, 5.4692



10.6357, 5.3186, 7.9197



0.0404, 0.0199, 0.0464

Inverse Universe

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



16.7113, 13.9258, 18.6370



28.1906, 22.0685, 30.9409



16.7122, 20.6149, 23.5955



4.7829, 4.7328, 5.4692



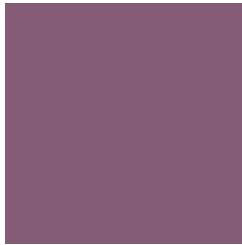
10.6357, 5.3186, 7.9197



0.0404, 0.0199, 0.0464

Previews

White Background



This preview shows how the XYZ color 16.7109, 13.9252, 18.6367 looks on a white background.

Color Contrast Check

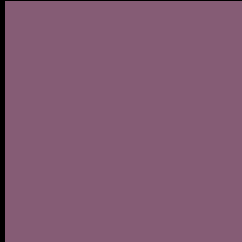
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.7109, 13.9252, 18.6367 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 16.7109, 13.9252, 18.6367

Background



This preview shows how black text looks on a background with the XYZ color 16.7109, 13.9252, 18.6367.



This preview shows how white text looks on a background with the XYZ color 16.7109, 13.9252,

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

16.7109, 13.9252, 18.6367

Protanopia

13.9075, 14.0906, 21.3888

Deuteranopia

14.2763, 14.0555, 18.1802



Tritanopia

15.8506, 13.9690, 14.4312

Trichromacy



Original Color

16.7109, 13.9252, 18.6367

Protanomaly

14.7521, 13.9642, 20.3302

Deuteranomaly

14.9913, 13.8479, 18.4058

Tritanomaly

16.1723, 13.9725, 15.7545

Monochromacy



Original Color

16.7109, 13.9252, 18.6367

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

14.8231, 14.3634, 17.0301

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7109, 13.9252, 18.6367 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(133, 92, 117)` looks like.

```
.text, #text, p{  
    color:rgb(133, 92, 117)  
}
```

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(133, 92, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 92, 117) }
```

Border

The CSS property to change the border of an element to XYZ 16.7109, 13.9252, 18.6367 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(133, 92, 117) }
```


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

```
.border{ border-color:rgb(133, 92, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 92, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 92, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 92, 117);  
box-shadow:4px 4px 4px 4px rgb(133, 92,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 16.7109, 13.9252, 18.6367 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 92, 117) }
```

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

```
.background{ background-color: rgb(133, 92,  
117) }
```

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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