

Converting Colors

XYZ(13.9461, 9.9367, 12.9636)

Have a look what the booklet for
XYZ(13.9461, 9.9367, 12.9636)
contains.

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Color

**XYZ(13.9322, 9.9017,
12.9813)**

Conversions

Conversions Part 1

Format	Color
Hex	854363
RGB	133, 67, 99
RGB Percent	52%, 26%, 39%
CMY	0.4784, 0.7372, 0.6118
CMYK	0.00, 0.50, 0.26, 0.48
HSL	331°, 33%, 39%
HSV	331°, 50%, 52%
XYZ	13.9322, 9.9017, 12.9813
YIQ	90.3820, 29.0640, 23.9440

Conversions

Conversions Part 2

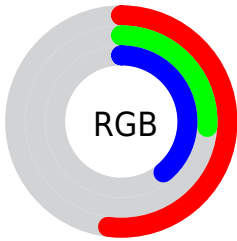
Format	Color
R_{YB}	133, 67, 99
Decimal	8733539
CIE _{Lab}	37.67, 32.31, -5.91
CIE _{LCh}	38, 32.851, 349.639
Yxy	9.9017, 0.3784, 0.2690
Android (android.graphics.Color)	4286923619 (0xFF854363)
YUV	90.3820, 4.2487, 37.3760
Hunter-Lab	31.4670, 23.9648, -2.4325

Details

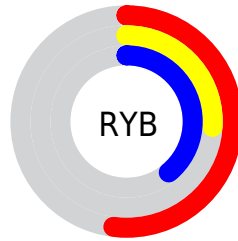
The XYZ color **13.9322, 9.9017, 12.9813** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **13.0517, 18.9083, 15.2746**, and the grayscale version is **9.7905, 10.3004, 11.2171**.

A 20% lighter version of the original color is **32.6053, 25.6160, 32.0800**, and **4.2522, 2.4390, 3.6148** is the 20% darker color. If you saturate the color by 10%, you get **12.9166, 8.3727, 11.0946**, and if you desaturate by 10%, it is **15.1578, 11.8060, 15.0753**.

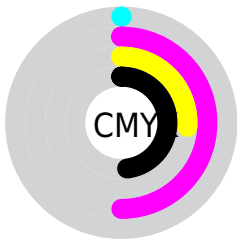
Distribution



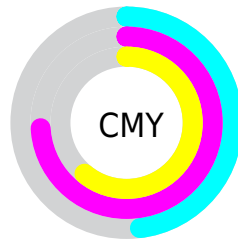
- Red (52%)
- Green (26%)
- Blue (39%)



- Red (52%)
- Yellow (26%)
- Blue (39%)



- Cyan (0%)
- Magenta (50%)
- Yellow (26%)
- Black (48%)




- Cyan (48%)
- Magenta (74%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.9322, 9.9017, 12.9813 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 13.9322, 9.9017, 12.9813 by changing the saturation by 10% instead.


 13.9322, 9.9017,
12.9813


 13.9322, 9.9017,
12.9813


210.3277,
189.9690, 222.0014


 8.1549, 5.3338,
7.2851


 32.5559, 25.6104,
31.9609


 4.2469, 2.4444,
3.5599

 46.1331, 37.5201,
46.0813


 1.8427, 0.8486,
1.3871

 63.0410, 52.6458,
63.8470

 0.5432, 0.0000,
0.1317

 83.6448, 71.3720,
85.6763

 0.0000, 0.0000,
0.0000

 108.3101, 94.0830,
111.9878

137.4021,

121.1633, 143.2002

171.2862,
152.9971, 179.7319

■ 13.9322, 9.9017,
12.9813

■ 13.9322, 9.9017,
12.9813

■ 12.9166, 8.3727,
11.0946

■ 15.1578, 11.8060,
15.0753

■ 12.0969, 7.1921,
9.4069

■ 16.6045, 14.1073,
17.3835

■ 11.4584, 6.3317,
7.9098

■ 18.2839, 16.8272,
19.9127

■ 10.9838, 5.7580,
6.5940

■ 20.2063, 19.9855,
22.6696

■ 10.6251, 5.3762,
5.4395

■ 22.3813, 23.6006,
25.6603

■ 10.6122, 5.3623,
5.3984

■ 24.8181, 27.6898,
28.8908

■ 27.5254, 32.2697,
32.3667

■ 30.5115, 37.3559,
36.0936

■ 33.7843, 42.9633,
40.0768

Harmonies

Analogous

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



12.8091, 9.9017, 20.0589



13.9322, 9.9017, 12.9813



13.7153, 9.9017, 7.3641

Triad

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



13.9322, 9.9017, 12.9813



8.1270, 9.9017, 3.1793



7.0461, 9.9017, 22.1119

Complementary

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



13.9322, 9.9017, 12.9813



13.0517, 18.9083, 15.2746

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.



6.1175, 9.9017, 15.1195



13.9322, 9.9017, 12.9813



6.6747, 9.9017, 4.9234

Square

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



13.9322, 9.9017, 12.9813



10.1510, 9.9017, 2.9711



5.9924, 9.9017, 8.8450



8.7084, 9.9017, 26.4818

Rectangle

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



13.9322, 9.9017, 12.9813



12.8490, 9.9017, 4.9895



5.9924, 9.9017, 8.8450



6.6489, 9.9017, 19.8915

Sweetspot

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



13.9325, 9.9022, 12.9815



34.1618, 32.4569, 37.7221



11.4968, 8.4176, 23.2094



7.5607, 7.0898, 8.3024



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.



13.9325, 9.9022, 12.9815



22.8506, 14.5818, 19.3163



12.6936, 9.4066, 6.4574



4.7596, 4.7235, 5.3466



10.1122, 5.1092, 5.1634



0.0387, 0.0192, 0.0372

Inverse Universe

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



13.9325, 9.9022, 12.9815



22.8506, 14.5818, 19.3163



14.9363, 19.6621, 25.1985



4.7596, 4.7235, 5.3466



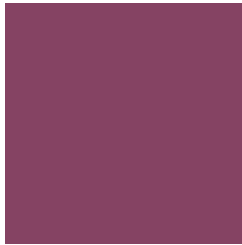
10.1122, 5.1092, 5.1634



0.0387, 0.0192, 0.0372

Previews

White Background



This preview shows how the XYZ color 13.9322, 9.9017, 12.9813 looks on a white background.

Color Contrast Check

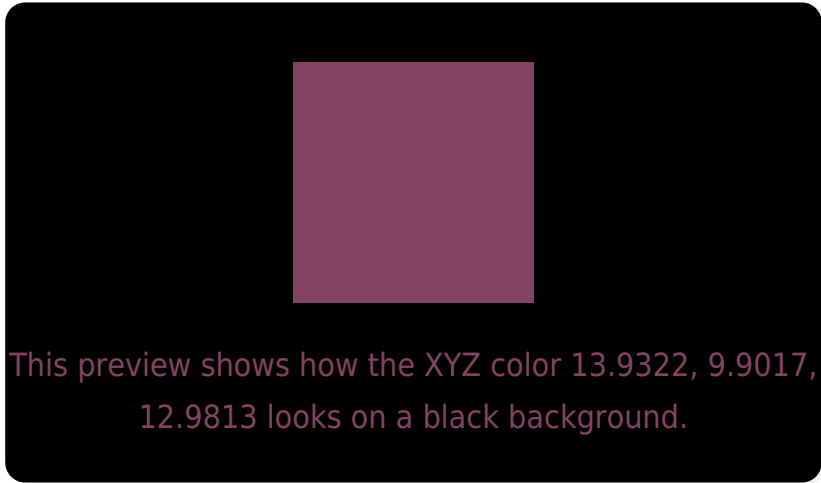
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

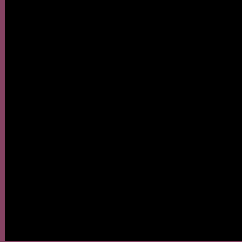
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.9322, 9.9017, 12.9813

Background



This preview shows how black text looks on a background with the XYZ color 13.9322, 9.9017, 12.9813.

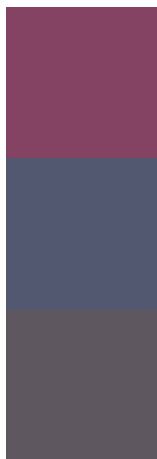


This preview shows how white text looks on a background with the XYZ color 13.9322, 9.9017,

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

13.9322, 9.9017, 12.9813

Protanopia

10.0376, 10.0107, 17.0260

Deuteranopia

10.2388, 10.0938, 12.4750



Tritanopia

12.9529, 9.8676, 8.2431

Trichromacy



Original Color

13.9322, 9.9017, 12.9813

Protanomaly

10.9423, 9.5867, 15.4611

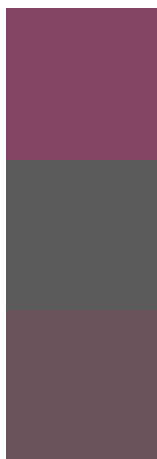
Deuteranomaly

11.3330, 9.8516, 12.6135

Tritanomaly

13.3456, 9.9417, 9.8099

Monochromacy



Original Color

13.9322, 9.9017, 12.9813

Achromatopsia

9.7181, 10.2242, 11.1341

Achromatomaly

10.9369, 9.8891, 11.6883

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.9322, 9.9017, 12.9813 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, 67, 99)` looks like.

```
.text, #text, p{  
    color:rgb(133, 67, 99)  
}
```

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, 67, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 67, 99) }
```

Border

The CSS property to change the border of an element to XYZ 13.9322, 9.9017, 12.9813 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, 67, 99) }
```


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

```
.border{ border-color:rgb(133, 67, 99) }
```

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

Here you see how a box with a 4 pixel rgb(133, 67, 99) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 67, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 67, 99);  
box-shadow:4px 4px 4px 4px rgb(133, 67,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 13.9322, 9.9017, 12.9813 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 67, 99) }
```

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

```
.background{ background-color: rgb(133, 67,  
99) }
```

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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