

Converting Colors

XYZ(16.8080, 10.7088, 9.3298)

Have a look what the booklet for
XYZ(16.8080, 10.7088, 9.3298)
contains.

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Color

**XYZ(16.7847, 10.7186,
9.3679)**

Conversions

Conversions Part 1

Format	Color
Hex	9C3A53
RGB	156, 58, 83
RGB Percent	61%, 23%, 33%
CMY	0.3882, 0.7725, 0.6745
CMYK	0.00, 0.63, 0.47, 0.39
HSL	345°, 46%, 42%
HSV	345°, 63%, 61%
XYZ	16.7847, 10.7186, 9.3679
YIQ	90.1520, 50.3830, 28.5510

Conversions

Conversions Part 2

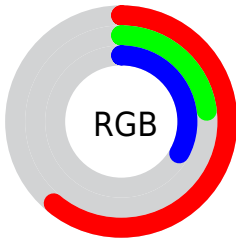
Format	Color
R _Y B	156, 58, 83
Decimal	10238547
CIE Lab	39.10, 43.01, 6.71
CIE LCh	39, 43.529, 8.870
Yxy	10.7186, 0.4552, 0.2907
Android (android.graphics.Color)	4288428627 (0xFF9C3A53)
YUV	90.1520, -3.5259, 57.7487
Hunter-Lab	32.7393, 34.2193, 5.9525

Details

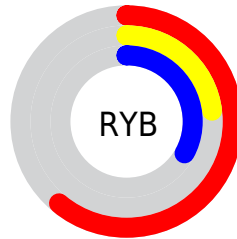
The XYZ color **16.7847, 10.7186, 9.3679** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **17.7308, 26.3154, 25.6195**, and the grayscale version is **9.7526, 10.2605, 11.1736**.

A 20% lighter version of the original color is **37.4723, 27.1139, 25.0883**, and **5.6217, 2.8558, 2.1744** is the 20% darker color. If you saturate the color by 10%, you get **15.7023, 9.2126, 6.9759**, and if you desaturate by 10%, it is **18.1812, 12.7324, 12.2359**.

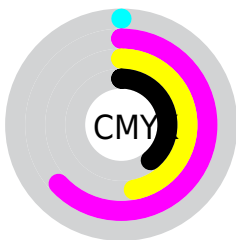
Distribution



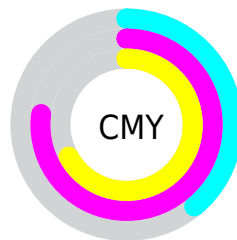
- Red (61%)
- Green (23%)
- Blue (33%)



- Red (61%)
- Yellow (23%)
- Blue (33%)



- Cyan (0%)
- Magenta (63%)
- Yellow (47%)
- Black (39%)





- Cyan (39%)
- Magenta (77%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.7847, 10.7186, 9.3679 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 16.7847, 10.7186, 9.3679 by changing the saturation by 10% instead.


 16.7847, 10.7186,
9.3679


 16.7847, 10.7186,
9.3679


227.1091,
195.7267, 196.4172


 10.1755, 5.8779,
4.8818


 37.5018, 27.1386,
25.1886


 5.5786, 2.7710,
2.1206

 52.3403, 39.4868,
37.3602


 2.6288, 1.0134,
0.6280

 70.6527, 55.1062,
52.9309

 0.9606, 0.0000,
0.0000

 92.8042, 74.3814,
72.3190

 0.0000, 0.0000,
0.0000

 119.1603, 97.6966,
95.9431

 150.0862,

125.4363, 124.2219

185.9474,
157.9848, 157.5737

■ 16.7847, 10.7186,
9.3679

■ 16.7847, 10.7186,
9.3679

■ 15.7023, 9.2126,
6.9759

■ 18.1812, 12.7324,
12.2359

■ 14.9070, 8.1666,
5.0322

■ 19.9140, 15.2927,
15.6041

■ 14.3687, 7.5265,
3.5067

■ 22.0040, 18.4364,
19.4959

■ 14.0897, 7.2197,
2.6397

■ 24.4704, 22.1966,
23.9329

■ 27.3309, 26.6042,
28.9352

■ 30.6019, 31.6876,
34.5222

■ 34.2990, 37.4738,
40.7123

■ 38.4371, 43.9883,
47.5228

■ 43.0302, 51.2551,
54.9707

Harmonies

Analogous

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



16.3565, 10.7186, 18.4614



16.7847, 10.7186, 9.3679



15.2006, 10.7186, 4.2208

Triad

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



16.7847, 10.7186, 9.3679



7.0614, 10.7186, 3.1066



8.2990, 10.7186, 33.9397

Complementary

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



16.7847, 10.7186, 9.3679



17.7308, 26.3154, 25.6195

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.



6.4193, 10.7186, 24.9098



16.7847, 10.7186, 9.3679



5.8053, 10.7186, 6.7904

Square

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



16.7847, 10.7186, 9.3679



9.3482, 10.7186, 1.9133



5.5950, 10.7186, 14.3230



11.0760, 10.7186, 35.7787

Rectangle

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



16.7847, 10.7186, 9.3679



13.3666, 10.7186, 2.6205



5.5950, 10.7186, 14.3230



7.5576, 10.7186, 31.4920

Sweetspot

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



16.7850, 10.7192, 9.3681



46.1506, 42.9344, 46.4772



16.6998, 10.1624, 32.5337



9.8632, 8.9989, 9.7126



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



16.7850, 10.7192, 9.3681



27.9322, 15.9436, 11.2836



17.4070, 13.2392, 5.6418



6.6990, 6.6725, 7.2662



11.6180, 5.9518, 2.2396



0.2233, 0.1126, 0.1220

Inverse Universe

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



16.7850, 10.7192, 9.3681



27.9322, 15.9436, 11.2836



16.1520, 20.1120, 34.4831



6.6990, 6.6725, 7.2662



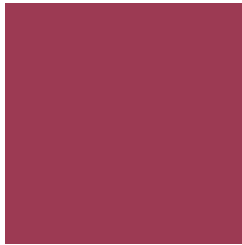
11.6180, 5.9518, 2.2396



0.2233, 0.1126, 0.1220

Previews

White Background



This preview shows how the XYZ color 16.7847, 10.7186, 9.3679 looks on a white background.

Color Contrast Check

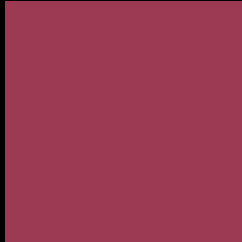
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.7847, 10.7186, 9.3679 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

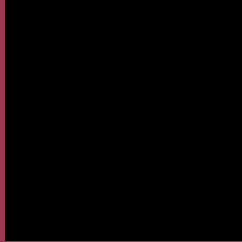
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.7847, 10.7186, 9.3679

Background



This preview shows how black text looks on a background with the XYZ color 16.7847, 10.7186, 9.3679.



This preview shows how white text looks on a background with the XYZ color 16.7847, 10.7186,

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

16.7847, 10.7186, 9.3679

Protanopia

10.6391, 10.8889, 14.1114

Deuteranopia

11.0109, 10.8206, 8.7160



Tritanopia

16.1404, 10.6877, 6.2133

Trichromacy



Original Color

16.7847, 10.7186, 9.3679

Protanomaly

12.0045, 10.2084, 12.1642

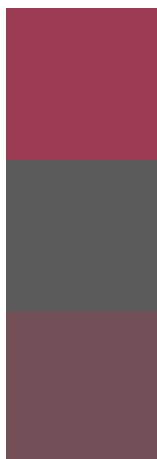
Deuteranomaly

12.6298, 10.3879, 8.9288

Tritanomaly

16.3031, 10.6682, 7.3308

Monochromacy



Original Color

16.7847, 10.7186, 9.3679

Achromatopsia

9.7181, 10.2242, 11.1341

Achromatomaly

11.3841, 9.7143, 10.2919

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7847, 10.7186, 9.3679 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(156, 58, 83)` looks like.

```
.text, #text, p{  
    color:rgb(156, 58, 83)  
}
```

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(156, 58, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 58, 83) }
```

Border

The CSS property to change the border of an element to XYZ 16.7847, 10.7186, 9.3679 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(156, 58, 83) }
```


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

```
.border{ border-color:rgb(156, 58, 83) }
```

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

Here you see how a box with a 4 pixel rgb(156, 58, 83) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 58, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 58, 83);  
box-shadow:4px 4px 4px 4px rgb(156, 58,  
83) }
```

Background

The CSS property to change the background color of an element to XYZ 16.7847, 10.7186, 9.3679 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 58, 83) }
```

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

```
.background{ background-color: rgb(156, 58,  
83) }
```

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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