

Converting Colors

XYZ(16.9365, 10.0105, 11.6655)

Have a look what the booklet for
XYZ(16.9365, 10.0105, 11.6655)
contains.

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Color

**XYZ(16.9415, 10.0093,
11.6287)**

Conversions

Conversions Part 1

Format	Color
Hex	9D2F5E
RGB	157, 47, 94
RGB Percent	62%, 18%, 37%
CMY	0.3843, 0.8157, 0.6314
CMYK	0.00, 0.70, 0.40, 0.38
HSL	334°, 54%, 40%
HSV	334°, 70%, 62%
XYZ	16.9415, 10.0093, 11.6287
YIQ	85.2480, 50.4730, 37.9370

Conversions

Conversions Part 2

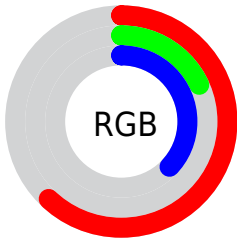
Format	Color
R_{YB}	157, 47, 94
Decimal	10301278
CIE _{Lab}	37.86, 49.24, -2.03
CIE _{LCh}	38, 49.280, 357.640
Yxy	10.0093, 0.4391, 0.2594
Android (android.graphics.Color)	4288491358 (0xFF9D2F5E)
YUV	85.2480, 4.3147, 62.9265
Hunter-Lab	31.6375, 40.2191, 0.3535

Details

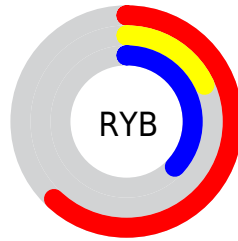
The XYZ color **16.9415, 10.0093, 11.6287** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **16.0444, 25.8443, 18.8966**, and the grayscale version is **8.6710, 9.1226, 9.9345**.

A 20% lighter version of the original color is **37.7121, 25.7681, 29.3716**, and **5.9003, 2.9801, 3.0605** is the 20% darker color. If you saturate the color by 10%, you get **16.0426, 8.8202, 9.4529**, and if you desaturate by 10%, it is **18.1137, 11.6699, 14.1278**.

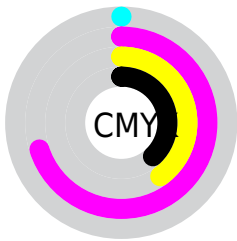
Distribution



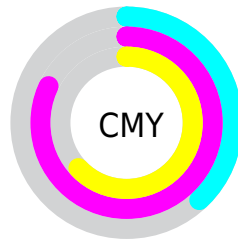
- Red (62%)
- Green (18%)
- Blue (37%)



- Red (62%)
- Yellow (18%)
- Blue (37%)



- Cyan (0%)
- Magenta (70%)
- Yellow (40%)
- Black (38%)



- Cyan (38%)
- Magenta (82%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.9415, 10.0093, 11.6287 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 16.9415, 10.0093, 11.6287 by changing the saturation by 10% instead.

■ 16.9415, 10.0093,
11.6287

■ 16.9415, 10.0093,
11.6287

227.9979,
190.7384, 212.8214

■ 10.2878, 5.4051,
6.3719

■ 37.7696, 25.8130,
29.4712

■ 5.6539, 2.4869,
3.0001

■ 52.6747, 37.7813,
42.8941

■ 2.6745, 0.8701,
1.0947

■ 71.0610, 52.9731,
59.8761

■ 0.9840, 0.0000,
0.0000

■ 93.2938, 71.7728,
80.8357

■ 0.0000, 0.0000,
0.0000

■ 119.7386, 94.5648,
106.1915

■ 150.7606,

121.7335, 136.3620

186.7252,
153.6632, 171.7658

■ 16.9415, 10.0093,
11.6287

■ 16.9415, 10.0093,
11.6287

■ 16.0426, 8.8202,
9.4529

■ 18.1137, 11.6699,
14.1278

■ 15.3892, 8.0492,
7.5828

■ 19.5818, 13.8444,
16.9650

■ 14.9200, 7.5742,
5.9978

■ 21.3666, 16.5725,
20.1545

■ 23.4870, 19.8893,
23.7095

■ 25.9600, 23.8270,
27.6424

■ 28.8017, 28.4156,
31.9648

■ 32.0271, 33.6831,
36.6879

■ 35.6503, 39.6557,
41.8224

■ 39.6846, 46.3583,
47.3786

Harmonies

Analogous

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



15.6036, 10.0093, 23.0730



16.9415, 10.0093, 11.6287



15.9532, 10.0093, 4.6682

Triad

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



16.9415, 10.0093, 11.6287



6.9706, 10.0093, 1.6214



6.6253, 10.0093, 33.1065

Complementary

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



16.9415, 10.0093, 11.6287



16.0444, 25.8443, 18.8966

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.



5.0925, 10.0093, 21.0920



16.9415, 10.0093, 11.6287



5.2587, 10.0093, 3.9996

Square

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



16.9415, 10.0093, 11.6287



9.7652, 10.0093, 1.1298



4.6533, 10.0093, 10.1994



9.2662, 10.0093, 39.0517

Rectangle

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



16.9415, 10.0093, 11.6287



14.2074, 10.0093, 2.4478



4.6533, 10.0093, 10.1994



5.9874, 10.0093, 29.4042

Sweetspot

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



16.9418, 10.0098, 11.6289



45.8583, 41.6565, 48.5172



13.4507, 7.7405, 32.6833



9.8350, 8.7574, 10.2736



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.



16.9418, 10.0098, 11.6289



28.0295, 14.9427, 15.0021



15.7529, 10.0435, 3.7984



6.7448, 6.6908, 7.5072



12.1357, 6.1588, 4.9654



0.2377, 0.1184, 0.1980

Inverse Universe

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



16.9418, 10.0098, 11.6289



28.0295, 14.9427, 15.0021



18.1117, 24.7454, 35.7199



6.7448, 6.6908, 7.5072



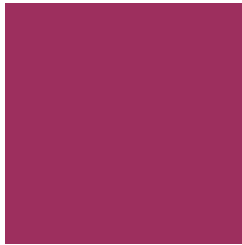
12.1357, 6.1588, 4.9654



0.2377, 0.1184, 0.1980

Previews

White Background



This preview shows how the XYZ color 16.9415, 10.0093, 11.6287 looks on a white background.

Color Contrast Check

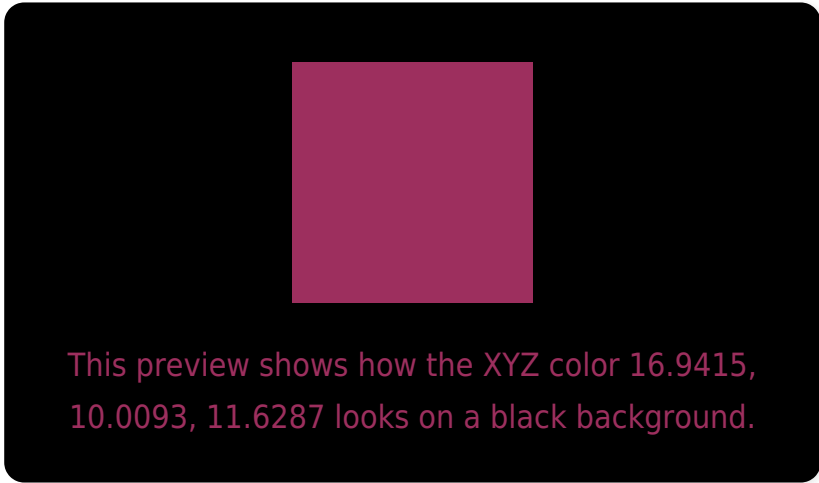
Large Text (above 18pt) WCAG AA ✓ Pass

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 ✓ Pass

Any Text WCAG AA × Fail

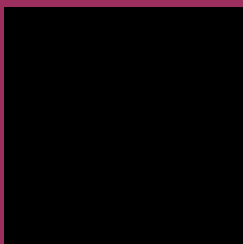
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.9415, 10.0093, 11.6287

Background



This preview shows how black text looks on a background with the XYZ color 16.9415, 10.0093, 11.6287.



This preview shows how white text looks on a background with the XYZ color 16.9415, 10.0093,

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

16.9415, 10.0093, 11.6287

Protanopia

10.3559, 10.2502, 19.2020

Deuteranopia

10.3570, 10.1903, 10.8722



Tritanopia

15.7212, 10.1127, 5.2610

Trichromacy



Original Color

16.9415, 10.0093, 11.6287

Protanomaly

11.6247, 9.2965, 16.2206

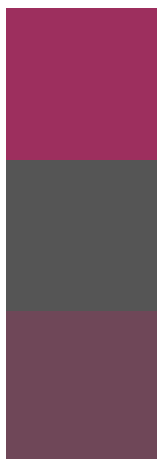
Deuteranomaly

11.9514, 9.3831, 11.0787

Tritanomaly

16.1531, 10.0820, 7.2255

Monochromacy



Original Color

16.9415, 10.0093, 11.6287

Achromatopsia

8.6345, 9.0842, 9.8927

Achromatomaly

10.5702, 8.5906, 10.3336

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.9415, 10.0093, 11.6287 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(157, 47, 94)` looks like.

```
.text, #text, p{  
    color:rgb(157, 47, 94)  
}
```

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(157, 47, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 47, 94) }
```

Border

The CSS property to change the border of an element to XYZ 16.9415, 10.0093, 11.6287 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(157, 47, 94) }
```


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

```
.border{ border-color:rgb(157, 47, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 47, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 47, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 47, 94);  
box-shadow:4px 4px 4px 4px rgb(157, 47,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 16.9415, 10.0093, 11.6287 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 47, 94) }
```

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

```
.background{ background-color: rgb(157, 47,  
94) }
```

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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