

Converting Colors

XYZ(16.8987, 9.9829, 11.2199)

Have a look what the booklet for
XYZ(16.8987, 9.9829, 11.2199)
contains.

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Color

**XYZ(16.8529, 9.9738,
11.1621)**

Conversions

Conversions Part 1

Format	Color
Hex	9D2F5C
RGB	157, 47, 92
RGB Percent	62%, 18%, 36%
CMY	0.3843, 0.8157, 0.6392
CMYK	0.00, 0.70, 0.41, 0.38
HSL	335°, 54%, 40%
HSV	335°, 70%, 62%
XYZ	16.8529, 9.9738, 11.1621
YIQ	85.0200, 51.1150, 37.3150

Conversions

Conversions Part 2

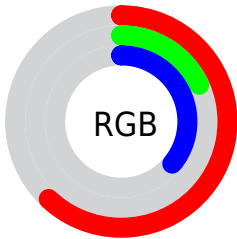
Format	Color
R _Y B	157, 47, 92
Decimal	10301276
CIE Lab	37.80, 49.02, -0.85
CIE LCh	38, 49.029, 359.003
Yxy	9.9738, 0.4436, 0.2625
Android (android.graphics.Color)	4288491356 (0xFF9D2F5C)
YUV	85.0200, 3.4411, 63.1265
Hunter-Lab	31.5813, 39.9865, 1.1515

Details

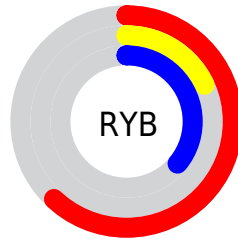
The XYZ color **16.8529, 9.9738, 11.1621** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **16.1545, 25.8884, 19.4765**, and the grayscale version is **8.6248, 9.0740, 9.8816**.

A 20% lighter version of the original color is **37.5605, 25.7074, 28.5736**, and **5.8600, 2.9640, 2.8480** is the 20% darker color. If you saturate the color by 10%, you get **15.9533, 8.7844, 8.9823**, and if you desaturate by 10%, it is **18.0285, 11.6357, 13.6792**.

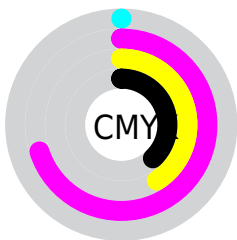
Distribution



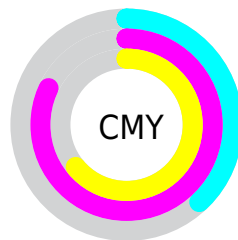
- Red (62%)
- Green (18%)
- Blue (36%)



- Red (62%)
- Yellow (18%)
- Blue (36%)



- Cyan (0%)
- Magenta (70%)
- Yellow (41%)
- Black (38%)




- Cyan (38%)
- Magenta (82%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.8529, 9.9738, 11.1621 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 16.8529, 9.9738, 11.1621 by changing the saturation by 10% instead.


 16.8529, 9.9738,
11.1621


 16.8529, 9.9738,
11.1621


227.4961,
190.4850, 209.5535


 10.2243, 5.3816,
6.0604


 37.6183, 25.7462,
28.6007


 5.6113, 2.4728,
2.8125

 52.4858, 37.6952,
41.7748


 2.6486, 0.8630,
0.9997

 70.8304, 52.8652,
58.4767

 0.9708, 0.0000,
0.0000

 93.0173, 71.6407,
79.1251

 0.0000, 0.0000,
0.0000

 119.4120, 94.4060,
104.1384

 150.3798,

121.5456, 133.9352

186.2860,
153.4438, 168.9341

■ 16.8529, 9.9738,
11.1621

■ 16.8529, 9.9738,
11.1621

■ 15.9533, 8.7844,
8.9823

■ 18.0285, 11.6357,
13.6792

■ 15.3015, 8.0141,
7.1213

■ 19.5028, 13.8127,
16.5492

■ 14.8364, 7.5408,
5.5573

■ 21.2969, 16.5444,
19.7873

■ 23.4295, 19.8661,
23.4074

■ 25.9182, 23.8101,
27.4225

■ 28.7789, 28.4063,
31.8451

■ 32.0268, 33.6828,
36.6869

■ 35.6762, 39.6658,
41.9594

■ 39.7404, 46.3804,
47.6732

Harmonies

Analogous

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



15.6251, 9.9738, 22.3623



16.8529, 9.9738, 11.1621



15.7715, 9.9738, 4.4669

Triad

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



16.8529, 9.9738, 11.1621



6.8529, 9.9738, 1.6881



6.7080, 9.9738, 33.3217

Complementary

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



16.8529, 9.9738, 11.1621



16.1545, 25.8884, 19.4765

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.



5.1332, 9.9738, 21.5329



16.8529, 9.9738, 11.1621



5.2030, 9.9738, 4.1861

Square

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



16.8529, 9.9738, 11.1621



9.5848, 9.9738, 1.1381



4.6489, 9.9738, 10.5630



9.3756, 9.9738, 38.7831

Rectangle

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



16.8529, 9.9738, 11.1621



13.9971, 9.9738, 2.3578



4.6489, 9.9738, 10.5630



6.0568, 9.9738, 29.7333

Sweetspot

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



16.8532, 9.9743, 11.1623



45.7795, 41.6250, 48.1021



13.6794, 7.8584, 32.6941



9.8160, 8.7498, 10.1736



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.



16.8532, 9.9743, 11.1623



27.8707, 14.8792, 14.1658



15.8404, 10.2185, 3.8275



6.7399, 6.6889, 7.4815



12.0674, 6.1315, 4.6059



0.2362, 0.1178, 0.1900

Inverse Universe

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



16.8532, 9.9743, 11.1623



27.8707, 14.8792, 14.1658



17.8222, 24.1665, 35.6236



6.7399, 6.6889, 7.4815



12.0674, 6.1315, 4.6059



0.2362, 0.1178, 0.1900

Previews

White Background



This preview shows how the XYZ color 16.8529, 9.9738, 11.1621 looks on a white background.

Color Contrast Check

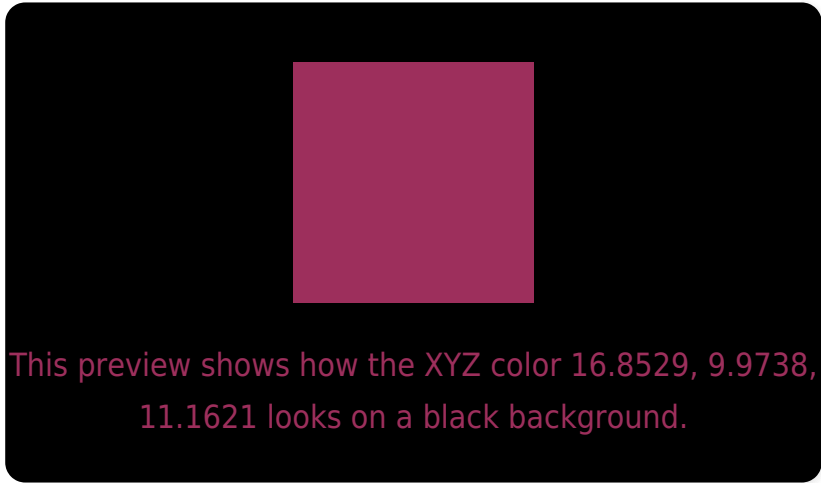
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.8529, 9.9738, 11.1621

Background



This preview shows how black text looks on a background with the XYZ color 16.8529, 9.9738, 11.1621.



This preview shows how white text looks on a background with the XYZ color 16.8529, 9.9738,

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

16.8529, 9.9738, 11.1621

Protanopia

10.3221, 10.2466, 18.5733

Deuteranopia

10.3840, 10.2138, 10.4410



Tritanopia

15.6475, 10.0064, 5.1097

Trichromacy



Original Color

16.8529, 9.9738, 11.1621

Protanomaly

11.5158, 9.2529, 15.6470

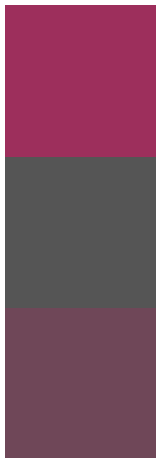
Deuteranomaly

12.0057, 9.4209, 10.6368

Tritanomaly

16.0438, 9.9661, 6.8724

Monochromacy



Original Color

16.8529, 9.9738, 11.1621

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 16.8529, 9.9738, 11.1621 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, 92)` looks like.

```
.text, #text, p{  
    color:rgb(157, 47, 92)  
}
```

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, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 47, 92) }
```

Border

The CSS property to change the border of an element to XYZ 16.8529, 9.9738, 11.1621 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, 92) }
```


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

```
.border{ border-color:rgb(157, 47, 92) }
```

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, 92) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 47, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 47, 92);  
box-shadow:4px 4px 4px 4px rgb(157, 47,  
92) }
```

Background

The CSS property to change the background color of an element to XYZ 16.8529, 9.9738, 11.1621 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, 92) }
```

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

```
.background{ background-color: rgb(157, 47,  
92) }
```

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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