

Converting Colors

XYZ(16.7564, 9.8195, 10.5971)

Have a look what the booklet for
XYZ(16.7564, 9.8195, 10.5971)
contains.

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Color

**XYZ(16.6885, 9.7831,
10.6816)**

Conversions

Conversions Part 1

Format	Color
Hex	9D2D5A
RGB	157, 45, 90
RGB Percent	62%, 18%, 35%
CMY	0.3843, 0.8235, 0.6471
CMYK	0.00, 0.71, 0.43, 0.38
HSL	336°, 55%, 40%
HSV	336°, 71%, 62%
XYZ	16.6885, 9.7831, 10.6816
YIQ	83.6180, 52.3070, 37.7390

Conversions

Conversions Part 2

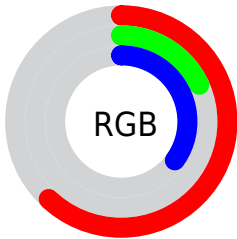
Format	Color
R _Y B	157, 45, 90
Decimal	10300762
CIE Lab	37.45, 49.59, -0.08
CIE LCh	37, 49.593, 359.902
Yxy	9.7831, 0.4492, 0.2633
Android (android.graphics.Color)	4288490842 (0xFF9D2D5A)
YUV	83.6180, 3.1463, 64.3560
Hunter-Lab	31.2779, 40.5031, 1.6467

Details

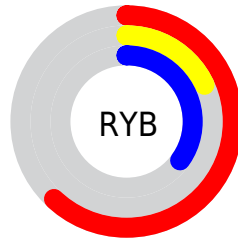
The XYZ color **16.6885, 9.7831, 10.6816** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **16.0645, 25.8420, 19.4727**, and the grayscale version is **8.3351, 8.7692, 9.5496**.

A 20% lighter version of the original color is **37.2198, 25.2642, 27.7257**, and **5.8405, 2.9562, 2.7454** is the 20% darker color. If you saturate the color by 10%, you get **15.8221, 8.6502, 8.5434**, and if you desaturate by 10%, it is **17.8288, 11.3828, 13.1605**.

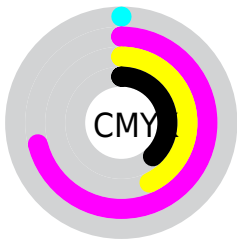
Distribution



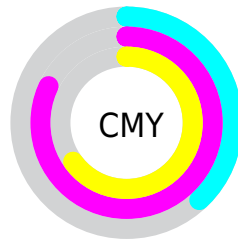
- Red (62%)
- Green (18%)
- Blue (35%)



- Red (62%)
- Yellow (18%)
- Blue (35%)



- Cyan (0%)
- Magenta (71%)
- Yellow (43%)
- Black (38%)




- Cyan (38%)
- Magenta (82%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.6885, 9.7831, 10.6816 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 16.6885, 9.7831, 10.6816 by changing the saturation by 10% instead.

 16.6885, 9.7831,
10.6816


 16.6885, 9.7831,
10.6816


226.5623,
189.1169, 206.1283


 10.1066, 5.2554,
5.7417


 37.3373, 25.3867,
27.6975


 5.5325, 2.3979,
2.6224

 52.1349, 37.2314,
40.6105


 2.6009, 0.8248,
0.9040

 70.4017, 52.2839,
57.0183

 0.9464, 0.0000,
0.0000

 92.5032, 70.9286,
77.3395

 0.0000, 0.0000,
0.0000

 118.8046, 93.5498,
101.9925

 149.6713,

120.5320, 131.3960

185.4688,
152.2596, 165.9684

■ 16.6885, 9.7831,
10.6816

■ 16.6885, 9.7831,
10.6816

■ 15.8221, 8.6502,
8.5434

■ 17.8288, 11.3828,
13.1605

■ 15.2007, 7.9294,
6.7269

■ 19.2660, 13.4928,
15.9965

■ 14.8039, 7.5278,
5.3863

■ 21.0217, 16.1533,
19.2050

■ 23.1150, 19.3999,
22.8004

■ 25.5634, 23.2654,
26.7964

■ 28.3833, 27.7799,
31.2055

■ 31.5900, 32.9718,
36.0400

■ 35.1979, 38.8676,
41.3116

■ 39.2205, 45.4925,
47.0313

Harmonies

Analogous

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



15.5212, 9.7831, 21.8128



16.6885, 9.7831, 10.6816



15.5356, 9.7831, 4.1734

Triad

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



16.6885, 9.7831, 10.6816



6.6148, 9.7831, 1.6175



6.6007, 9.7831, 33.5325

Complementary

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



16.6885, 9.7831, 10.6816



16.0645, 25.8420, 19.4727

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.



5.0041, 9.7831, 21.7307



16.6885, 9.7831, 10.6816



5.0109, 9.7831, 4.1461

Square

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



16.6885, 9.7831, 10.6816



9.3088, 9.7831, 1.0495



4.4937, 9.7831, 10.6227



9.2883, 9.7831, 38.7634

Rectangle

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



16.6885, 9.7831, 10.6816



13.7272, 9.7831, 2.1695



4.4937, 9.7831, 10.6227



5.9424, 9.7831, 29.9649

Sweetspot

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



16.6888, 9.7836, 10.6818



45.7479, 41.6123, 47.9358



13.4968, 7.6483, 32.6632



9.8084, 8.7468, 10.1335



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.



16.6888, 9.7836, 10.6818



27.5847, 14.5964, 13.1786



15.7135, 10.0277, 3.5907



6.7380, 6.6881, 7.4712



12.0409, 6.1209, 4.4662



0.2356, 0.1176, 0.1868

Inverse Universe

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



16.6888, 9.7836, 10.6818



27.5847, 14.5964, 13.1786



17.7061, 24.0679, 35.6106



6.7380, 6.6881, 7.4712



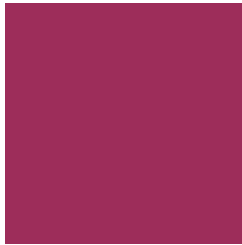
12.0409, 6.1209, 4.4662



0.2356, 0.1176, 0.1868

Previews

White Background



This preview shows how the XYZ color 16.6885, 9.7831, 10.6816 looks on a white background.

Color Contrast Check

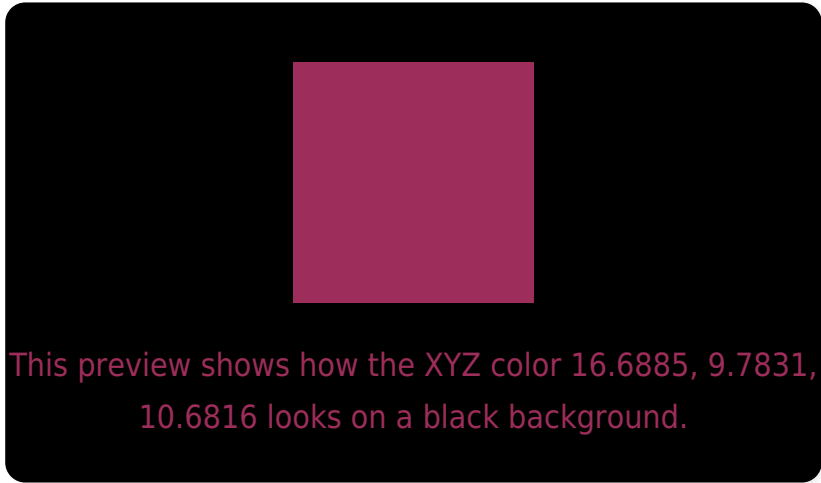
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.6885, 9.7831, 10.6816

Background



This preview shows how black text looks on a background with the XYZ color 16.6885, 9.7831, 10.6816.



This preview shows how white text looks on a background with the XYZ color 16.6885, 9.7831, 10.6816.

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

16.6885, 9.7831, 10.6816

Protanopia

10.1218, 10.0342, 17.9263

Deuteranopia

10.1836, 10.0050, 9.7819



Tritanopia

15.5045, 9.8003, 4.8158

Trichromacy



Original Color

16.6885, 9.7831, 10.6816

Protanomaly

11.2779, 8.9475, 15.0425

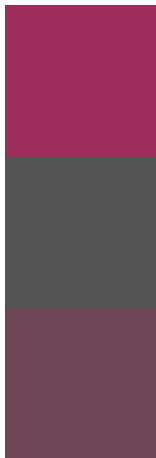
Deuteranomaly

11.8181, 9.2433, 9.9654

Tritanomaly

15.8943, 9.7665, 6.5162

Monochromacy



Original Color

16.6885, 9.7831, 10.6816

Achromatopsia

8.4267, 8.8656, 9.6546

Achromatomaly

10.4254, 8.4317, 9.8821

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.6885, 9.7831, 10.6816 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, 45, 90)` looks like.

```
.text, #text, p{  
    color:rgb(157, 45, 90)  
}
```

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, 45, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 45, 90) }
```

Border

The CSS property to change the border of an element to XYZ 16.6885, 9.7831, 10.6816 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, 45, 90) }
```


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

```
.border{ border-color:rgb(157, 45, 90) }
```

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

Here you see how a box with a 4 pixel rgb(157, 45, 90) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 45, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 45, 90);  
box-shadow:4px 4px 4px 4px rgb(157, 45,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 16.6885, 9.7831, 10.6816 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 45, 90) }
```

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

```
.background{ background-color: rgb(157, 45,  
90) }
```

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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