

Converting Colors

XYZ(16.7748, 9.6004, 15.8901)

Have a look what the booklet for
XYZ(16.7748, 9.6004, 15.8901)
contains.

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Color

**XYZ(16.8700, 9.6478,
16.0120)**

Conversions

Conversions Part 1

Format	Color
Hex	992B6F
RGB	153, 43, 111
RGB Percent	60%, 17%, 44%
CMY	0.4000, 0.8313, 0.5647
CMYK	0.00, 0.72, 0.27, 0.40
HSL	323°, 56%, 38%
HSV	323°, 72%, 60%
XYZ	16.8700, 9.6478, 16.0120
YIQ	83.6420, 43.7320, 44.4680

Conversions

Conversions Part 2

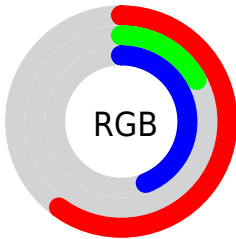
Format	Color
R_{YB}	153, 43, 111
Decimal	10038127
CIE _{Lab}	37.20, 51.67, -13.84
CIE _{LCh}	37, 53.492, 345.008
Yxy	9.6478, 0.3967, 0.2268
Android (android.graphics.Color)	4288228207 (0xFF992B6F)
YUV	83.6420, 13.4875, 60.8270
Hunter-Lab	31.0609, 42.5915, -8.8216

Details

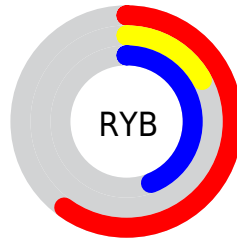
The XYZ color **16.8700, 9.6478, 16.0120** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **14.0278, 23.9522, 12.4797**, and the grayscale version is **8.3207, 8.7540, 9.5332**.

A 20% lighter version of the original color is **37.5569, 25.0813, 37.5120**, and **5.9342, 2.9556, 4.9603** is the 20% darker color. If you saturate the color by 10%, you get **16.1032, 8.6122, 14.2209**, and if you desaturate by 10%, it is **17.8671, 11.1102, 17.9839**.

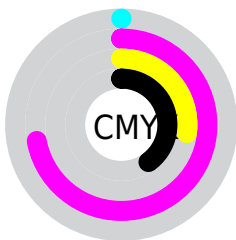
Distribution



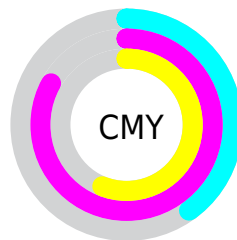
- Red (60%)
- Green (17%)
- Blue (44%)



- Red (60%)
- Yellow (17%)
- Blue (44%)



- Cyan (0%)
- Magenta (72%)
- Yellow (27%)
- Black (40%)





- Cyan (40%)
- Magenta (83%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.8700, 9.6478, 16.0120 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 16.8700, 9.6478, 16.0120 by changing the saturation by 10% instead.

 16.8700, 9.6478,
16.0120

 16.8700, 9.6478,
16.0120


227.5930,
188.1396, 241.2606


 10.2366, 5.1661,
9.3782


 37.6475, 25.1309,
37.3861


 5.6196, 2.3450,
4.8885

 52.5223, 36.9011,
52.9635


 2.6536, 0.7974,
2.1244

 70.8749, 51.8695,
72.3592

 0.9733, 0.0000,
0.6302

 93.0707, 70.4206,
95.9917

 0.0000, 0.0000,
0.0000

 119.4751, 92.9388,
124.2795

 150.4533,

119.8084, 157.6413

186.3709,
151.4139, 196.4955

■ 16.8700, 9.6478,
16.0120

■ 16.8700, 9.6478,
16.0120

■ 16.1032, 8.6122,
14.2209

■ 17.8671, 11.1102,
17.9839

■ 15.5406, 7.9522,
12.5996

■ 19.1150, 13.0398,
20.1450

■ 15.1833, 7.5909,
11.3912

■ 20.6326, 15.4741,
22.5037

■ 22.4370, 18.4463,
25.0674

■ 24.5435, 21.9867,
27.8430

■ 26.9665, 26.1235,
30.8370

■ 29.7193, 30.8829,
34.0555

■ 32.8146, 36.2894,
37.5045

■ 36.2643, 42.3664,
41.1896

Harmonies

Analogous

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



14.4978, 9.6478, 29.5911



16.8700, 9.6478, 16.0120



16.8693, 9.6478, 6.4283

Triad

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



16.8700, 9.6478, 16.0120



7.6066, 9.6478, 0.8722



5.3402, 9.6478, 29.5983

Complementary

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



16.8700, 9.6478, 16.0120



14.0278, 23.9522, 12.4797

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.



4.2635, 9.6478, 16.0186



16.8700, 9.6478, 16.0120



5.3393, 9.6478, 2.1324

Square

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



16.8700, 9.6478, 16.0120



10.9321, 9.6478, 0.8719



4.2632, 9.6478, 6.4319



7.6081, 9.6478, 40.1342

Rectangle

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



16.8700, 9.6478, 16.0120



15.4940, 9.6478, 3.0956



4.2632, 9.6478, 6.4319



4.8542, 9.6478, 24.9684

Sweetspot

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



16.8703, 9.6483, 16.0122



43.7350, 39.0037, 49.5831



10.2111, 5.8826, 30.7343



9.4441, 8.2525, 10.6738



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



16.8703, 9.6483, 16.0122



28.2124, 14.6613, 23.7456



14.7565, 8.8028, 4.8809



6.3612, 6.2836, 7.2820



12.5653, 6.2804, 9.5020



0.2055, 0.1010, 0.2350

Inverse Universe

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



16.8703, 9.6483, 16.0122



28.2124, 14.6613, 23.7456



16.9995, 25.1409, 28.1286



6.3612, 6.2836, 7.2820



12.5653, 6.2804, 9.5020



0.2055, 0.1010, 0.2350

Previews

White Background



This preview shows how the XYZ color 16.8700, 9.6478, 16.0120 looks on a white background.

Color Contrast Check

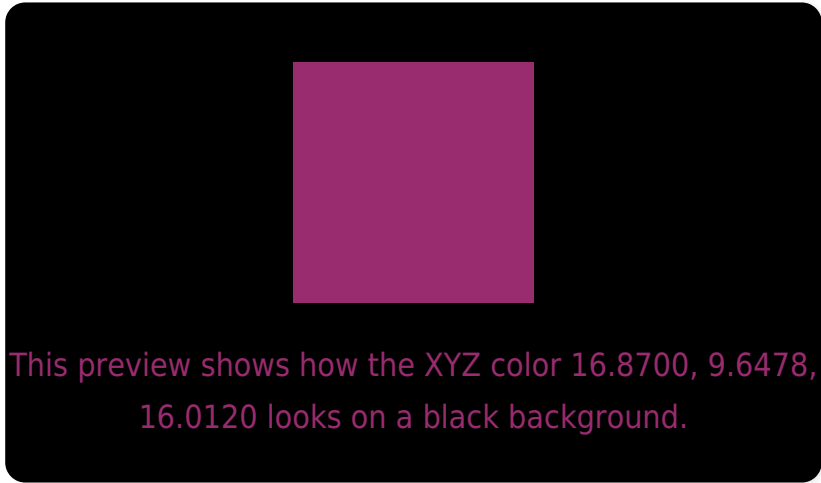
Large Text (above 18pt) WCAG AA ✓ Pass

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

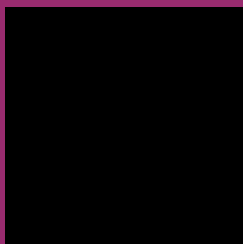
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.8700, 9.6478, 16.0120

Background



This preview shows how black text looks on a background with the XYZ color 16.8700, 9.6478, 16.0120.



This preview shows how white text looks on a background with the XYZ color 16.8700, 9.6478,

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

16.8700, 9.6478, 16.0120

Protanopia

10.6129, 9.9578, 27.3493

Deuteranopia

10.0778, 9.9602, 14.7559



Tritanopia

14.6999, 9.6527, 5.5033

Trichromacy



Original Color

16.8700, 9.6478, 16.0120

Protanomaly

11.3870, 8.7418, 22.5599

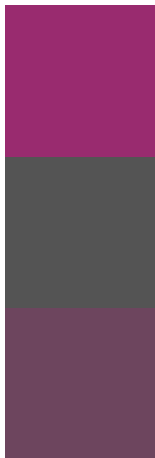
Deuteranomaly

11.5892, 9.0128, 15.0387

Tritanomaly

15.2170, 9.5045, 8.4297

Monochromacy



Original Color

16.8700, 9.6478, 16.0120

Achromatopsia

8.4267, 8.8656, 9.6546

Achromatomaly

10.4552, 8.3156, 11.6437

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8700, 9.6478, 16.0120 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(153, 43, 111)` looks like.

```
.text, #text, p{  
    color:rgb(153, 43, 111)  
}
```

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(153, 43, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 43, 111) }
```

Border

The CSS property to change the border of an element to XYZ 16.8700, 9.6478, 16.0120 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(153, 43, 111) }
```


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

```
.border{ border-color:rgb(153, 43, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 43, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 43, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 43, 111);  
box-shadow:4px 4px 4px 4px rgb(153, 43,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 16.8700, 9.6478, 16.0120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 43, 111) }
```

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

```
.background{ background-color: rgb(153, 43,  
111) }
```

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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