

Converting Colors

XYZ(16.1505, 9.7180, 7.9535)

Have a look what the booklet for
XYZ(16.1505, 9.7180, 7.9535)
contains.

XYZ(16.1068, 9.7176, 8.0479)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(16.1068, 9.7176,
8.0479)**

Conversions

Conversions Part 1

Format	Color
Hex	9C304D
RGB	156, 48, 77
RGB Percent	61%, 19%, 30%
CMY	0.3882, 0.8117, 0.6980
CMYK	0.00, 0.69, 0.51, 0.39
HSL	344°, 53%, 40%
HSV	344°, 69%, 61%
XYZ	16.1068, 9.7176, 8.0479
YIQ	83.5980, 55.0590, 31.9150

Conversions

Conversions Part 2

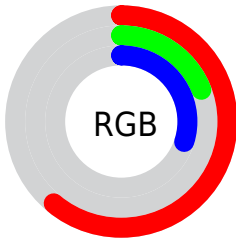
Format	Color
R_{YB}	156, 48, 77
Decimal	10235981
CIE Lab	37.33, 46.82, 8.02
CIE LCh	37, 47.497, 9.716
Yxy	9.7176, 0.4755, 0.2869
Android (android.graphics.Color)	4288426061 (0xFF9C304D)
YUV	83.5980, -3.2528, 63.4966
Hunter-Lab	31.1731, 37.6762, 6.5143

Details

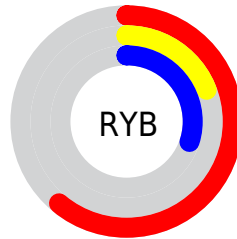
The XYZ color **16.1068, 9.7176, 8.0479** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **16.9388, 25.9379, 24.1944**, and the grayscale version is **8.3431, 8.7776, 9.5588**.

A 20% lighter version of the original color is **36.4439, 25.2608, 22.6937**, and **5.4201, 2.7625, 1.6864** is the 20% darker color. If you saturate the color by 10%, you get **15.2091, 8.5115, 5.9321**, and if you desaturate by 10%, it is **17.3001, 11.4019, 10.6112**.

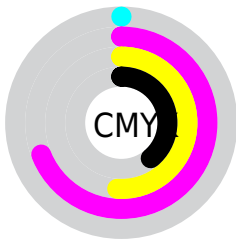
Distribution



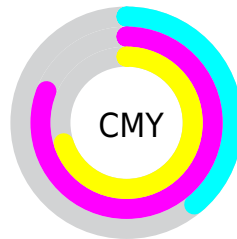
- Red (61%)
- Green (19%)
- Blue (30%)



- Red (61%)
- Yellow (19%)
- Blue (30%)



- Cyan (0%)
- Magenta (69%)
- Yellow (51%)
- Black (39%)




- Cyan (39%)
- Magenta (81%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.1068, 9.7176, 8.0479 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 16.1068, 9.7176, 8.0479 by changing the saturation by 10% instead.


 16.1068, 9.7176,
8.0479


 16.1068, 9.7176,
8.0479


223.2291,
188.6445, 186.0558


 9.6911, 5.2121,
4.0374


 36.3395, 25.2630,
22.6000


 5.2553, 2.3723,
1.6459

 50.8871, 37.0716,
33.9787


 2.4341, 0.8116,
0.3232

 68.8761, 52.0835,
48.6505

 0.8622, 0.0000,
0.0000

 90.6719, 70.6830,
67.0341

 0.0000, 0.0000,
0.0000

 116.6397, 93.2544,
89.5478

 147.1449,

120.1822, 116.6103

182.5530,
151.8508, 148.6402

■ 16.1068, 9.7176,
8.0479

■ 16.1068, 9.7176,
8.0479

■ 15.2091, 8.5115,
5.9321

■ 17.3001, 11.4019,
10.6112

■ 14.5778, 7.7308,
4.2357

■ 18.8129, 13.6063,
13.6466

■ 14.1551, 7.2668,
2.9195

■ 20.6673, 16.3703,
17.1775

■ 14.1261, 7.2342,
2.8313

■ 22.8832, 19.7288,
21.2252

■ 25.4791, 23.7140,
25.8101

■ 28.4720, 28.3558,
30.9513

■ 31.8779, 33.6819,
36.6667

■ 35.7120, 39.7188,
42.9738

■ 39.9886, 46.4914,
49.8891

Harmonies

Analogous

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



15.7146, 9.7176, 17.3440



16.1068, 9.7176, 8.0479



14.3774, 9.7176, 3.1813

Triad

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



16.1068, 9.7176, 8.0479



6.0397, 9.7176, 2.3159



7.3902, 9.7176, 34.6164

Complementary

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



16.1068, 9.7176, 8.0479



16.9388, 25.9379, 24.1944

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.



5.4951, 9.7176, 24.8968



16.1068, 9.7176, 8.0479



4.8396, 9.7176, 5.8536

Square

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



16.1068, 9.7176, 8.0479



8.3034, 9.7176, 1.2513



4.6644, 9.7176, 13.5962



10.2366, 9.7176, 36.3678

Rectangle

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



16.1068, 9.7176, 8.0479



12.4348, 9.7176, 1.7984



4.6644, 9.7176, 13.5962



6.6395, 9.7176, 31.9951

Sweetspot

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



16.1071, 9.7181, 8.0481



45.1848, 41.3871, 44.9707



15.5742, 8.9050, 32.3504



9.6733, 8.6927, 9.4219



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.



16.1071, 9.7181, 8.0481



26.9466, 14.6019, 9.0145



16.5230, 11.8395, 4.2114



6.7026, 6.6739, 7.2848



11.6484, 5.9639, 2.3997



0.2244, 0.1131, 0.1280

Inverse Universe

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



16.1071, 9.7181, 8.0481



26.9466, 14.6019, 9.0145



15.5530, 19.6949, 34.4342



6.7026, 6.6739, 7.2848



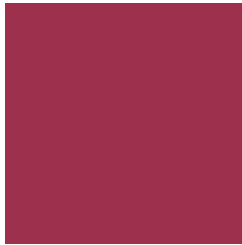
11.6484, 5.9639, 2.3997



0.2244, 0.1131, 0.1280

Previews

White Background



This preview shows how the XYZ color 16.1068, 9.7176, 8.0479 looks on a white background.

Color Contrast Check

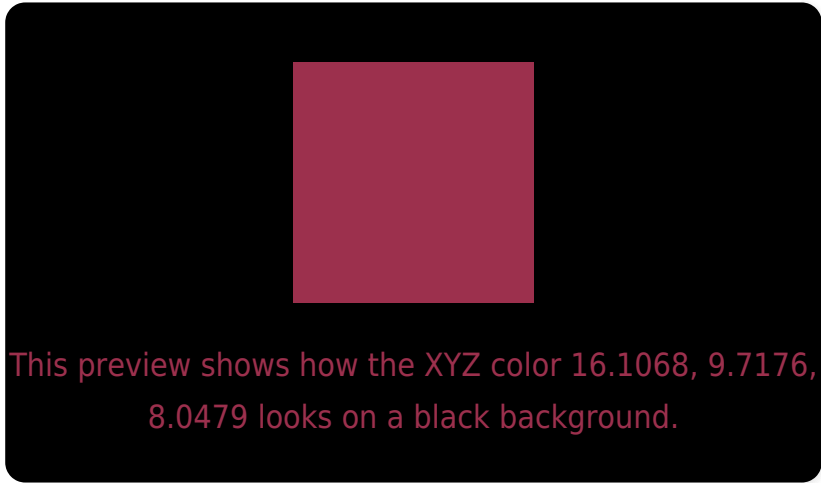
Large Text (above 18pt) WCAG AA ✓ Pass

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

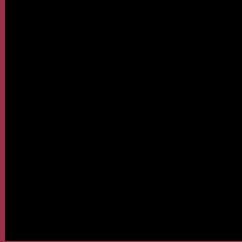
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.1068, 9.7176, 8.0479

Background



This preview shows how black text looks on a background with the XYZ color 16.1068, 9.7176, 8.0479.



This preview shows how white text looks on a background with the XYZ color 16.1068, 9.7176,

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

16.1068, 9.7176, 8.0479

Protanopia

9.7188, 9.9360, 12.9609

Deuteranopia

10.0117, 9.8484, 7.5042



Tritanopia

15.4803, 9.7906, 4.6883

Trichromacy



Original Color

16.1068, 9.7176, 8.0479

Protanomaly

11.0381, 9.0140, 10.8310

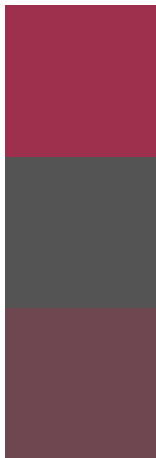
Deuteranomaly

11.5794, 9.2667, 7.6569

Tritanomaly

15.5986, 9.6951, 5.7518

Monochromacy



Original Color

16.1068, 9.7176, 8.0479

Achromatopsia

8.4267, 8.8656, 9.6546

Achromatomaly

10.1688, 8.4156, 8.8730

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.1068, 9.7176, 8.0479 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, 48, 77)` looks like.

```
.text, #text, p{  
    color:rgb(156, 48, 77)  
}
```

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, 48, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 48, 77) }
```

Border

The CSS property to change the border of an element to XYZ 16.1068, 9.7176, 8.0479 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, 48, 77) }
```


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

```
.border{ border-color:rgb(156, 48, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 48, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 48, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 48, 77);  
box-shadow:4px 4px 4px 4px rgb(156, 48,  
77) }
```

Background

The CSS property to change the background color of an element to XYZ 16.1068, 9.7176, 8.0479 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 48, 77) }
```

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

```
.background{ background-color: rgb(156, 48,  
77) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor