

Converting Colors

XYZ(16.6837, 9.8879, 9.9054)

Have a look what the booklet for
XYZ(16.6837, 9.8879, 9.9054)
contains.

XYZ(16.6009, 9.8730, 9.8348)	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(16.6009, 9.8730,
9.8348)**

Conversions

Conversions Part 1

Format	Color
Hex	9D2F56
RGB	157, 47, 86
RGB Percent	62%, 18%, 34%
CMY	0.3843, 0.8157, 0.6627
CMYK	0.00, 0.70, 0.45, 0.38
HSL	339°, 54%, 40%
HSV	339°, 70%, 62%
XYZ	16.6009, 9.8730, 9.8348
YIQ	84.3360, 53.0410, 35.4490

Conversions

Conversions Part 2

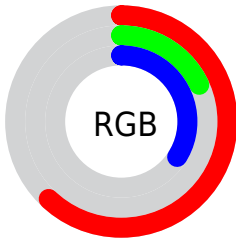
Format	Color
R_{YB}	157, 47, 86
Decimal	10301270
CIE _{Lab}	37.61, 48.40, 2.70
CIE _{LCh}	38, 48.473, 3.195
Yxy	9.8730, 0.4572, 0.2719
Android (android.graphics.Color)	4288491350 (0xFF9D2F56)
YUV	84.3360, 0.8204, 63.7263
Hunter-Lab	31.4213, 39.3200, 3.4373

Details

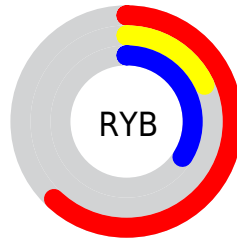
The XYZ color **16.6009, 9.8730, 9.8348** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **16.5000, 26.0267, 21.2955**, and the grayscale version is **8.4875, 8.9295, 9.7242**.

A 20% lighter version of the original color is **37.1219, 25.5320, 26.2642**, and **5.7671, 2.9268, 2.3588** is the 20% darker color. If you saturate the color by 10%, you get **15.7026, 8.6841, 7.6617**, and if you desaturate by 10%, it is **17.7835, 11.5377, 12.3885**.

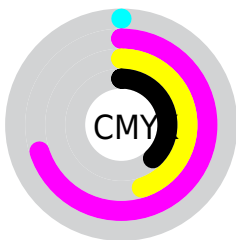
Distribution



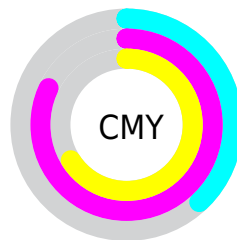
- Red (62%)
- Green (18%)
- Blue (34%)



- Red (62%)
- Yellow (18%)
- Blue (34%)



- Cyan (0%)
- Magenta (70%)
- Yellow (45%)
- Black (38%)




- Cyan (38%)
- Magenta (82%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.6009, 9.8730, 9.8348 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 16.6009, 9.8730, 9.8348 by changing the saturation by 10% instead.


 16.6009, 9.8730,
9.8348


 16.6009, 9.8730,
9.8348


226.0632,
189.7632, 199.9307

 10.0439, 5.3148,
5.1854


 37.1874, 25.5564,
26.0872


 5.4906, 2.4331,
2.2958

 51.9476, 37.4503,
38.5274


 2.5755, 0.8429,
0.7289

 70.1728, 52.5584,
54.4015

 0.9335, 0.0000,
0.0000

 92.2286, 71.2649,
74.1281

 0.0000, 0.0000,
0.0000

 118.4801, 93.9542,
98.1258

 149.2929,

121.0108, 126.8131

185.0321,
152.8190, 160.6086

■ 16.6009, 9.8730,
9.8348

■ 16.6009, 9.8730,
9.8348

■ 15.7026, 8.6841,
7.6617

■ 17.7835, 11.5377,
12.3885

■ 15.0597, 7.9173,
5.8474

■ 19.2735, 13.7210,
15.3416

■ 14.6101, 7.4503,
4.3657

■ 21.0927, 16.4628,
18.7121

■ 23.2604, 19.7985,
22.5164

■ 25.7944, 23.7606,
26.7702

■ 28.7112, 28.3793,
31.4883

■ 32.0265, 33.6827,
36.6847

■ 35.7548, 39.6973,
42.3729

■ 39.9100, 46.4483,
48.5657

Harmonies

Analogous

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



15.7029, 9.8730, 20.3222



16.6009, 9.8730, 9.8348



15.2436, 9.8730, 3.8949

Triad

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



16.6009, 9.8730, 9.8348



6.5081, 9.8730, 1.8998



6.9650, 9.8730, 34.0116

Complementary

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



16.6009, 9.8730, 9.8348



16.5000, 26.0267, 21.2955

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.



5.2591, 9.8730, 22.9216



16.6009, 9.8730, 9.8348



5.0386, 9.8730, 4.7849

Square

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



16.6009, 9.8730, 9.8348



9.0587, 9.8730, 1.1625



4.6367, 9.8730, 11.7203



9.7169, 9.8730, 38.0193

Rectangle

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



16.6009, 9.8730, 9.8348



13.3849, 9.8730, 2.0989



4.6367, 9.8730, 11.7203



6.2722, 9.8730, 30.7720

Sweetspot

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



16.6012, 9.8735, 9.8350



45.5456, 41.5314, 46.8705



14.3943, 8.2269, 32.7277



9.7597, 8.7273, 9.8774



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.



16.6012, 9.8735, 9.8350



27.4288, 14.7024, 11.8387



16.1227, 10.7831, 3.9216



6.7253, 6.6831, 7.4048



11.8824, 6.0575, 3.6316



0.2316, 0.1160, 0.1659

Inverse Universe

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



16.6012, 9.8735, 9.8350



27.4288, 14.7024, 11.8387



16.9812, 22.4845, 35.3433



6.7253, 6.6831, 7.4048



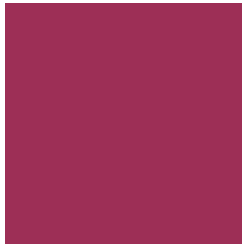
11.8824, 6.0575, 3.6316



0.2316, 0.1160, 0.1659

Previews

White Background



This preview shows how the XYZ color 16.6009, 9.8730, 9.8348 looks on a white background.

Color Contrast Check

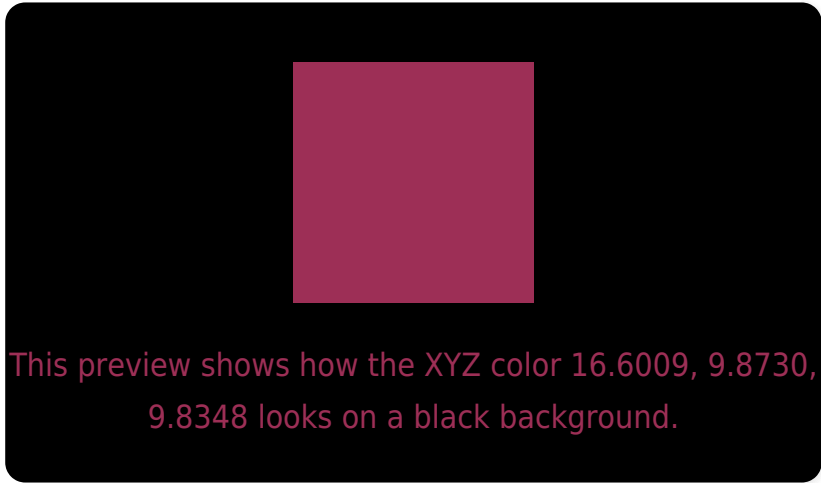
Large Text (above 18pt) WCAG AA ✓ Pass

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

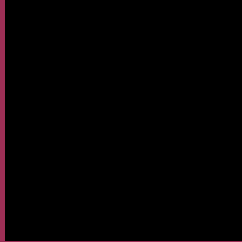
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.6009, 9.8730, 9.8348

Background



This preview shows how black text looks on a background with the XYZ color 16.6009, 9.8730, 9.8348.



This preview shows how white text looks on a background with the XYZ color 16.6009, 9.8730,

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

16.6009, 9.8730, 9.8348

Protanopia

10.1332, 10.2018, 16.1869

Deuteranopia

10.1798, 10.0164, 9.1814



Tritanopia

15.5753, 9.9023, 4.9613

Trichromacy



Original Color

16.6009, 9.8730, 9.8348

Protanomaly

11.3533, 9.2167, 13.4925

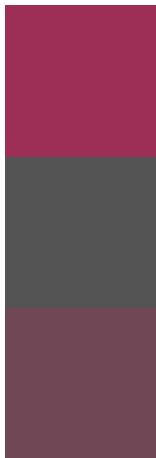
Deuteranomaly

11.7639, 9.3242, 9.3633

Tritanomaly

15.9375, 9.8529, 6.5306

Monochromacy



Original Color

16.6009, 9.8730, 9.8348

Achromatopsia

8.4267, 8.8656, 9.6546

Achromatomaly

10.4485, 8.5419, 9.6924

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.6009, 9.8730, 9.8348 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, 86)` looks like.

```
.text, #text, p{  
  color:rgb(157, 47, 86)  
}
```

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, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 47, 86) }
```

Border

The CSS property to change the border of an element to XYZ 16.6009, 9.8730, 9.8348 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, 86) }
```


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

```
.border{ border-color:rgb(157, 47, 86) }
```

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, 86) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 47, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 47, 86);  
box-shadow:4px 4px 4px 4px rgb(157, 47,  
86) }
```

Background

The CSS property to change the background color of an element to XYZ 16.6009, 9.8730, 9.8348 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, 86) }
```

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

```
.background{ background-color: rgb(157, 47,  
86) }
```

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