

Converting Colors

XYZ(15.4309, 10.0083, 10.0364)

Have a look what the booklet for
XYZ(15.4309, 10.0083, 10.0364)
contains.

XYZ(15.4461, 10.0101, 10.1349)	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(15.4461, 10.0101,
10.1349)**

Conversions

Conversions Part 1

Format	Color
Hex	943A57
RGB	148, 58, 87
RGB Percent	58%, 23%, 34%
CMY	0.4196, 0.7725, 0.6588
CMYK	0.00, 0.61, 0.41, 0.42
HSL	341°, 44%, 40%
HSV	341°, 61%, 58%
XYZ	15.4461, 10.0101, 10.1349
YIQ	88.2160, 44.3310, 28.0990

Conversions

Conversions Part 2

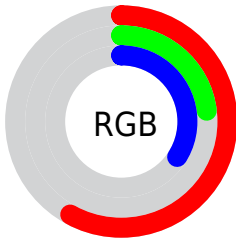
Format	Color
R_{YB}	148, 58, 87
Decimal	9714263
CIE Lab	37.86, 40.70, 2.22
CIE LCh	38, 40.757, 3.128
Yxy	10.0101, 0.4340, 0.2813
Android (android.graphics.Color)	4287904343 (0xFF943A57)
YUV	88.2160, -0.5995, 52.4306
Hunter-Lab	31.6387, 31.7763, 3.1546

Details

The XYZ color **15.4461, 10.0101, 10.1349** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **15.6651, 23.4115, 21.1473**, and the grayscale version is **9.3178, 9.8031, 10.6756**.

A 20% lighter version of the original color is **35.1608, 25.7226, 26.7787**, and **4.9321, 2.4943, 2.4120** is the 20% darker color. If you saturate the color by 10%, you get **14.4226, 8.5740, 7.9102**, and if you desaturate by 10%, it is **16.7417, 11.8990, 12.7315**.

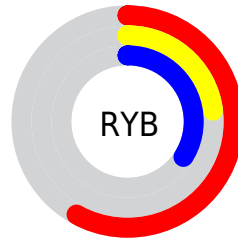
Distribution



Red (58%)

Green (23%)

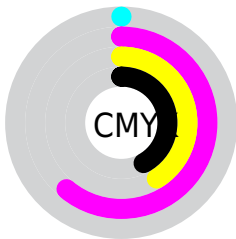
Blue (34%)



Red (58%)

Yellow (23%)

Blue (34%)

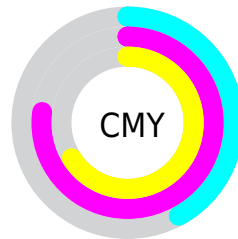


Cyan (0%)

Magenta (61%)

Yellow (41%)

Black (42%)



Cyan (42%)


Magenta (77%)


Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.4461, 10.0101, 10.1349 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 15.4461, 10.0101, 10.1349 by changing the saturation by 10% instead.


 15.4461, 10.0101,
10.1349


 15.4461, 10.0101,
10.1349


219.3859,
190.7441, 202.1519


 9.2214, 5.4057,
5.3817


 35.1992, 25.8145,
26.6607


 4.9441, 2.4872,
2.4103

 49.4582, 37.7832,
39.2704


 2.2489, 0.8702,
0.7920

 67.1262, 52.9755,
55.3360

 0.7683, 0.0000,
0.0000

 88.5683, 71.7758,
75.2761

 0.0000, 0.0000,
0.0000

 114.1500, 94.5684,
99.5092

 144.2366,

121.7377, 128.4538

179.1934,
153.6681, 162.5285

■ 15.4461, 10.0101,
10.1349

■ 15.4461, 10.0101,
10.1349

■ 14.4226, 8.5740,
7.9102

■ 16.7417, 11.8990,
12.7315

■ 13.6489, 7.5502,
6.0383

■ 18.3273, 14.2735,
15.7166

■ 13.1007, 6.8939,
4.4988

■ 20.2205, 17.1650,
19.1064

■ 12.7398, 6.5067,
3.3467

■ 22.4370, 20.6019,
22.9160

■ 24.9914, 24.6104,
27.1596

■ 27.8975, 29.2152,
31.8507

■ 31.1683, 34.4394,
37.0022

■ 34.8161, 40.3050,
42.6266

■ 38.8525, 46.8326,
48.7357

Harmonies

Analogous

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



14.7206, 10.0101, 18.7579



15.4461, 10.0101, 10.1349



14.3579, 10.0101, 4.7872

Triad

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



15.4461, 10.0101, 10.1349



7.0301, 10.0101, 2.7572



7.4243, 10.0101, 29.3663

Complementary

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



15.4461, 10.0101, 10.1349



15.6651, 23.4115, 21.1473

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.



5.9046, 10.0101, 20.7737



15.4461, 10.0101, 10.1349



5.7079, 10.0101, 5.6144

Square

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



15.4461, 10.0101, 10.1349



9.2435, 10.0101, 1.9322



5.3367, 10.0101, 11.7012



9.7903, 10.0101, 32.4260

Rectangle

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



15.4461, 10.0101, 10.1349



12.8489, 10.0101, 2.9780



5.3367, 10.0101, 11.7012



6.8132, 10.0101, 26.8822

Sweetspot

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



15.4464, 10.0106, 10.1351



40.6363, 37.9876, 42.1956



14.3300, 9.0164, 29.0020



9.0150, 8.2634, 9.1927



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



15.4464, 10.0106, 10.1351



24.9006, 14.3885, 12.6813



15.3594, 11.3671, 5.3882



5.8732, 5.8444, 6.4386



10.8932, 5.5623, 2.9186



0.1457, 0.0730, 0.1008

Inverse Universe

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



15.4464, 10.0106, 10.1351



24.9006, 14.3885, 12.6813



15.4781, 19.8131, 31.0255



5.8732, 5.8444, 6.4386



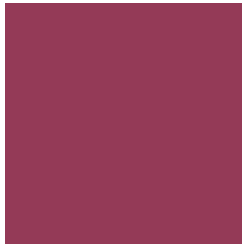
10.8932, 5.5623, 2.9186



0.1457, 0.0730, 0.1008

Previews

White Background



This preview shows how the XYZ color 15.4461, 10.0101, 10.1349 looks on a white background.

Color Contrast Check

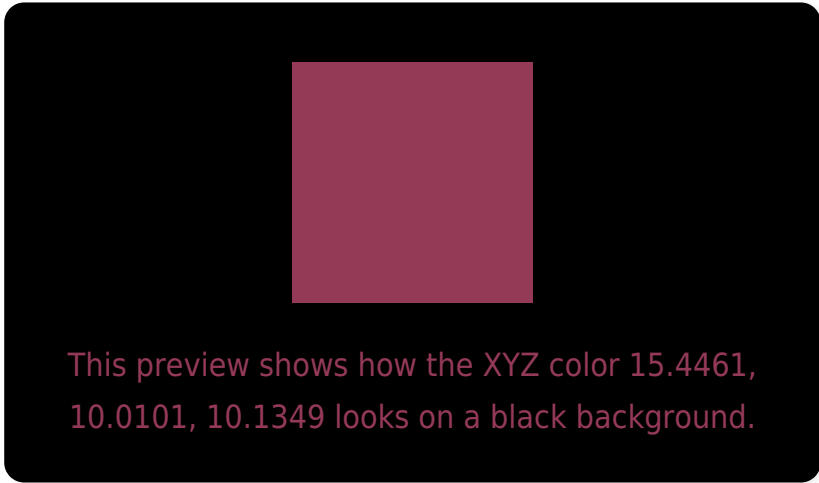
Large Text (above 18pt) WCAG AA ✓ Pass

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 ✓ Pass

Any Text WCAG AA × Fail

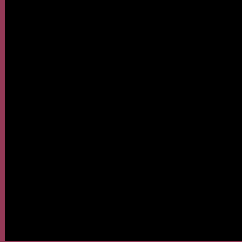
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.4461, 10.0101, 10.1349

Background



This preview shows how black text looks on a background with the XYZ color 15.4461, 10.0101, 10.1349.



This preview shows how white text looks on a background with the XYZ color 15.4461, 10.0101,

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

15.4461, 10.0101, 10.1349

Protanopia

10.0527, 10.1909, 14.8018

Deuteranopia

10.3364, 10.2076, 9.6091



Tritanopia

14.7386, 10.0416, 6.3157

Trichromacy



Original Color

15.4461, 10.0101, 10.1349

Protanomaly

11.2357, 9.5818, 12.8126

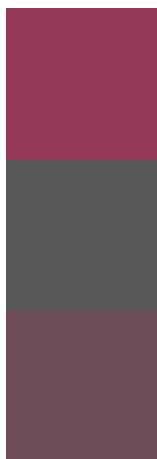
Deuteranomaly

11.6559, 9.6605, 9.6378

Tritanomaly

14.9374, 10.0349, 7.6282

Monochromacy



Original Color

15.4461, 10.0101, 10.1349

Achromatopsia

9.2757, 9.7587, 10.6273

Achromatomaly

10.8457, 9.3273, 10.4612

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.4461, 10.0101, 10.1349 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(148, 58, 87)` looks like.

```
.text, #text, p{  
  color:rgb(148, 58, 87)  
}
```

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(148, 58, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 58, 87) }
```

Border

The CSS property to change the border of an element to XYZ 15.4461, 10.0101, 10.1349 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(148, 58, 87) }
```


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

```
.border{ border-color:rgb(148, 58, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 58, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 58, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 58, 87);  
box-shadow:4px 4px 4px 4px rgb(148, 58,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 15.4461, 10.0101, 10.1349 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 58, 87) }
```

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

```
.background{ background-color: rgb(148, 58,  
87) }
```

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