

Converting Colors

XYZ(15.3138, 9.9841, 4.8614)

Have a look what the booklet for
XYZ(15.3138, 9.9841, 4.8614)
contains.

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Color

**XYZ(15.3138, 9.9841,
4.8614)**

Conversions

Conversions Part 1

Format	Color
Hex	993938
RGB	153, 57, 56
RGB Percent	60%, 22%, 22%
CMY	0.4000, 0.7764, 0.7804
CMYK	0.00, 0.63, 0.63, 0.40
HSL	1°, 46%, 41%
HSV	1°, 63%, 60%
XYZ	15.3138, 9.9841, 4.8614
YIQ	85.5900, 57.5370, 20.0410

Conversions

Conversions Part 2

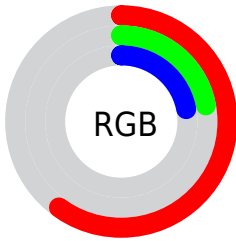
Format	Color
R_{YB}	153, 57, 56
Decimal	10041656
CIE _{Lab}	37.81, 40.12, 21.83
CIE _{LCh}	38, 45.672, 28.554
Yxy	9.9841, 0.5078, 0.3310
Android (android.graphics.Color)	4288231736 (0xFF993938)
YUV	85.5900, -14.5879, 59.1186
Hunter-Lab	31.5976, 31.2142, 12.9964

Details

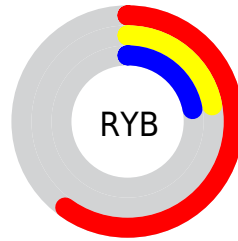
The XYZ color **15.3138, 9.9841, 4.8614** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **18.6079, 25.5952, 34.0964**, and the grayscale version is **8.7804, 9.2376, 10.0598**.

A 20% lighter version of the original color is **34.9621, 25.7014, 15.9501**, and **4.9031, 2.5185, 0.6432** is the 20% darker color. If you saturate the color by 10%, you get **14.3550, 8.5766, 2.9694**, and if you desaturate by 10%, it is **16.6107, 11.8849, 7.4305**.

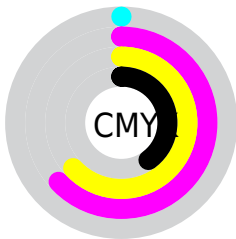
Distribution



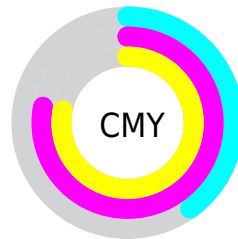
- Red (60%)
- Green (22%)
- Blue (22%)



- Red (60%)
- Yellow (22%)
- Blue (22%)



- Cyan (0%)
- Magenta (63%)
- Yellow (63%)
- Black (40%)





- Cyan (40%)
- Magenta (78%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.3138, 9.9841, 4.8614 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 15.3138, 9.9841, 4.8614 by changing the saturation by 10% instead.


 15.3138, 9.9841,
4.8614


 15.3138, 9.9841,
4.8614


218.6087,
190.5585, 157.3663


 9.1277, 5.3884,
2.1089


 34.9699, 25.7656,
15.9522


 4.8823, 2.4769,
0.6210

 49.1706, 37.7202,
25.1275

 2.2124, 0.8650,
0.0000

 66.7735, 52.8965,
37.2808

 0.7493, 0.0000,
0.0000

 88.1439, 71.6791,
52.8306

 0.0000, 0.0000,
0.0000

 113.6473, 94.4521,
72.1956

 143.6490,

121.6001, 95.7941

178.5144,
153.5075, 124.0448

■ 15.3138, 9.9841,
4.8614

■ 15.3138, 9.9841,
4.8614

■ 14.3550, 8.5766,
2.9694

■ 16.6107, 11.8849,
7.4305

■ 13.7022, 7.6154,
1.6903

■ 18.2724, 14.3171,
10.7319

■ 13.3186, 7.0473,
0.9484

■ 20.3239, 17.3171,
14.8159

■ 13.1540, 6.8067,
0.6205

■ 22.7876, 20.9175,
19.7280

■ 25.6843, 25.1485,
25.5102

■ 29.0333, 30.0382,
32.2019

■ 32.8531, 35.6130,
39.8400

■ 37.1606, 41.8981,
48.4591

■ 41.9723, 48.9170,
58.0924

Harmonies

Analogous

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



16.2686, 9.9841, 11.2810



15.3138, 9.9841, 4.8614



12.7245, 9.9841, 2.1216

Triad

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



15.3138, 9.9841, 4.8614



5.4657, 9.9841, 4.4626



9.3489, 9.9841, 36.1120

Complementary

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



15.3138, 9.9841, 4.8614



18.6079, 25.5952, 34.0964

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.



6.8554, 9.9841, 31.1235



15.3138, 9.9841, 4.8614



4.9166, 9.9841, 10.4710

Square

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



15.3138, 9.9841, 4.8614



7.0545, 9.9841, 1.9882



5.3684, 9.9841, 20.4915



12.4290, 9.9841, 31.9472

Rectangle

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



15.3138, 9.9841, 4.8614



10.6459, 9.9841, 1.5070



5.3684, 9.9841, 20.4915



8.4202, 9.9841, 35.4171

Sweetspot

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



15.3140, 9.9847, 4.8616



42.8019, 40.3706, 39.3050



20.3007, 11.9006, 31.3638



9.1604, 8.4896, 8.0989



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.



15.3140, 9.9847, 4.8616



25.1658, 14.5617, 4.2521



18.8514, 17.0594, 6.0407



6.2137, 6.2324, 6.4813



10.8732, 5.6288, 0.5134



0.1638, 0.0865, 0.0081

Inverse Universe

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



18.6079, 25.5952, 34.0964



31.5457, 44.8248, 60.9614



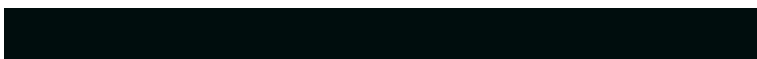
12.3815, 13.1423, 32.0209



6.3791, 7.0156, 7.9469



13.9552, 20.3071, 28.0918



0.2101, 0.3066, 0.4205

Previews

White Background



This preview shows how the XYZ color 15.3138, 9.9841, 4.8614 looks on a white background.

Color Contrast Check

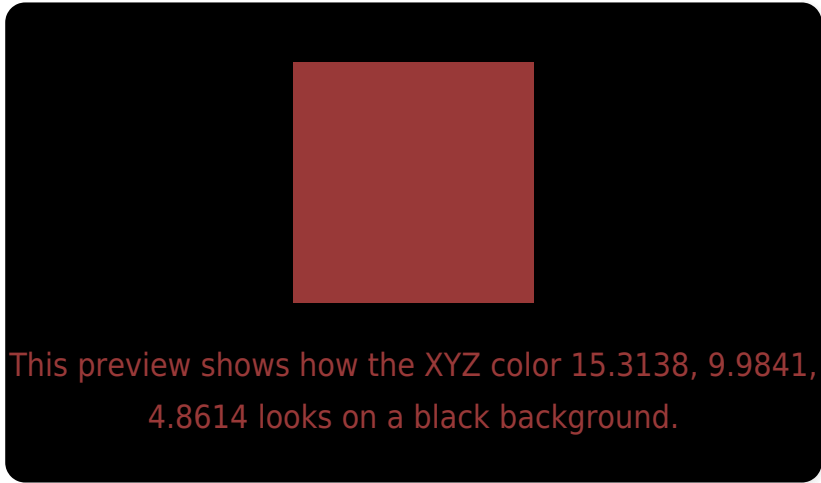
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.3138, 9.9841, 4.8614

Background



This preview shows how black text looks on a background with the XYZ color 15.3138, 9.9841, 4.8614.



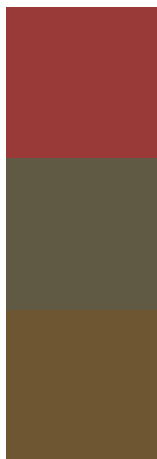
This preview shows how white text looks on a background with the XYZ color 15.3138, 9.9841,

4.8614.

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

15.3138, 9.9841, 4.8614

Protanopia

9.5542, 10.2288, 7.1010

Deuteranopia

10.3557, 10.2096, 4.5568



Tritanopia

15.3667, 9.9269, 5.3811

Trichromacy



Original Color

15.3138, 9.9841, 4.8614

Protanomaly

10.9859, 9.6009, 6.1246

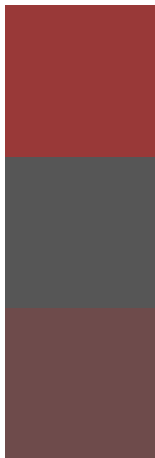
Deuteranomaly

11.7629, 9.7248, 4.6253

Tritanomaly

15.3405, 9.9164, 5.2432

Monochromacy



Original Color

15.3138, 9.9841, 4.8614

Achromatopsia

8.8453, 9.3059, 10.1341

Achromatomaly

10.2165, 8.8552, 7.8274

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.3138, 9.9841, 4.8614 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, 57, 56)` looks like.

```
.text, #text, p{  
    color:rgb(153, 57, 56)  
}
```

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, 57, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 57, 56) }
```

Border

The CSS property to change the border of an element to XYZ 15.3138, 9.9841, 4.8614 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, 57, 56) }
```


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

```
.border{ border-color:rgb(153, 57, 56) }
```

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

Here you see how a box with a 4 pixel rgb(153, 57, 56) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 57, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 57, 56);  
box-shadow:4px 4px 4px 4px rgb(153, 57,  
56) }
```

Background

The CSS property to change the background color of an element to XYZ 15.3138, 9.9841, 4.8614 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 57, 56) }
```

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

```
.background{ background-color: rgb(153, 57,  
56) }
```

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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