

Converting Colors

XYZ(15.2417, 9.3911, 3.8546)

Have a look what the booklet for
XYZ(15.2417, 9.3911, 3.8546)
contains.

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Color

**XYZ(15.3008, 9.3952,
3.8033)**

Conversions

Conversions Part 1

Format	Color
Hex	9C3030
RGB	156, 48, 48
RGB Percent	61%, 19%, 19%
CMY	0.3882, 0.8117, 0.8118
CMYK	0.00, 0.69, 0.69, 0.39
HSL	0°, 53%, 40%
HSV	0°, 69%, 61%
XYZ	15.3008, 9.3952, 3.8033
YIQ	80.2920, 64.3680, 22.8960

Conversions

Conversions Part 2

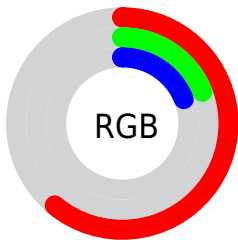
Format	Color
RYB	156, 48, 48
Decimal	10235952
CIELab	36.73, 44.69, 25.54
CIElCh	37, 51.477, 29.750
Yxy	9.3952, 0.5369, 0.3297
Android (android.graphics.Color)	4288426032 (0xFF9C3030)
YUV	80.2920, -15.9200, 66.3959
Hunter-Lab	30.6516, 35.4642, 14.0993

Details

The XYZ color **15.3008, 9.3952, 3.8033** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **19.1071, 26.8036, 35.6190**, and the grayscale version is **7.7037, 8.1049, 8.8262**.

A 20% lighter version of the original color is **34.9930, 24.7144, 13.5157**, and **5.0480, 2.6011, 0.2934** is the 20% darker color. If you saturate the color by 10%, you get **14.5040, 8.2295, 2.2192**, and if you desaturate by 10%, it is **16.4356, 11.0560, 6.0588**.

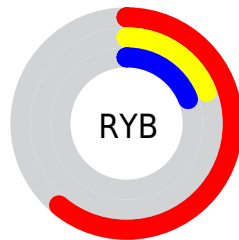
Distribution



Red (61%)

Green (19%)

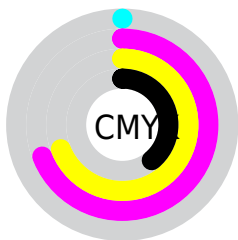
Blue (19%)



Red (61%)

Yellow (19%)

Blue (19%)

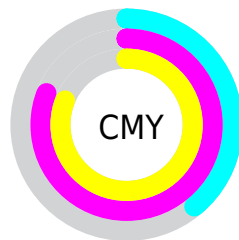


Cyan (0%)

Magenta (69%)

Yellow (69%)

Black (39%)



Cyan (39%)


Magenta (81%)

Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.3008, 9.3952, 3.8033 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 15.3008, 9.3952, 3.8033 by changing the saturation by 10% instead.


 15.3008, 9.3952,
3.8033


 15.3008, 9.3952,
3.8033


218.5322,
186.2993, 146.0133


 9.1185, 4.9998,
1.5181


 34.9474, 24.6515,
13.5535


 4.8763, 2.2472,
0.2313

 49.1423, 36.2813,
21.8556


 2.2088, 0.7455,
0.0000

 66.7388, 51.0914,
33.0003

 0.7474, 0.0000,
0.0000

 88.1022, 69.4661,
47.4063

 0.0000, 0.0000,
0.0000

 113.5979, 91.7898,
65.4920

 143.5912,

118.4470, 87.6761

178.4475,
149.8220, 114.3770

■ 15.3008, 9.3952,
3.8033

■ 15.3008, 9.3952,
3.8033

■ 14.5040, 8.2295,
2.2192

■ 16.4356, 11.0560,
6.0588

■ 14.0074, 7.5027,
1.2321

■ 17.9396, 13.2569,
9.0487

■ 13.7300, 7.0968,
0.6806

■ 19.8413, 16.0396,
12.8291

■ 13.7104, 7.0681,
0.6417

■ 22.1661, 19.4414,
17.4507

■ 24.9373, 23.4965,
22.9597

■ 28.1766, 28.2364,
29.3992

■ 31.9041, 33.6909,
36.8095

■ 36.1389, 39.8876,
45.2283

■ 40.8991, 46.8530,
54.6914

Harmonies

Analogous

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



16.4745, 9.3952, 10.3059



15.3008, 9.3952, 3.8033



12.3483, 9.3952, 1.3644

Triad

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



15.3008, 9.3952, 3.8033



4.6474, 9.3952, 3.7357



8.9034, 9.3952, 39.2989

Complementary

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



15.3008, 9.3952, 3.8033



19.1071, 26.8036, 35.6190

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.



6.2089, 9.3952, 33.7768



15.3008, 9.3952, 3.8033



4.1332, 9.3952, 10.1540

Square

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



15.3008, 9.3952, 3.8033



6.2450, 9.3952, 1.3446



4.6303, 9.3952, 21.5007



12.2913, 9.3952, 33.9454

Rectangle

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



15.3008, 9.3952, 3.8033



10.0536, 9.3952, 0.8865



4.6303, 9.3952, 21.5007



7.8932, 9.3952, 38.6230

Sweetspot

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



15.3010, 9.3957, 3.8034



44.1223, 40.9628, 39.3733



20.7680, 11.5821, 32.5935



9.4206, 8.5918, 8.0908



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.



15.3010, 9.3957, 3.8034



25.7924, 14.1407, 2.9353



18.9952, 16.7841, 5.0348



6.6331, 6.6462, 6.9189



11.2932, 5.8220, 0.5285



0.2019, 0.1041, 0.0095

Inverse Universe

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



19.1071, 26.8036, 35.6190



33.1720, 47.8926, 64.6226



11.9711, 12.5315, 33.2404



6.8218, 7.5094, 8.4966



14.7341, 21.5597, 29.2921



0.2635, 0.3855, 0.5238

Previews

White Background



This preview shows how the XYZ color 15.3008, 9.3952, 3.8033 looks on a white background.

Color Contrast Check

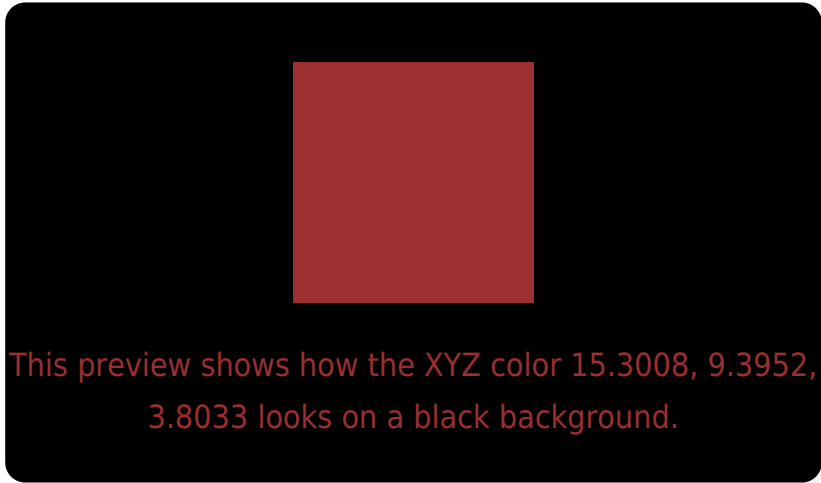
Large Text (above 18pt) WCAG AA ✓ Pass

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

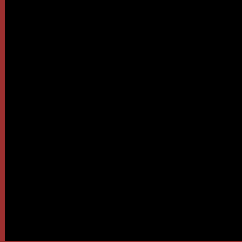
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.3008, 9.3952, 3.8033

Background



This preview shows how black text looks on a background with the XYZ color 15.3008, 9.3952, 3.8033.

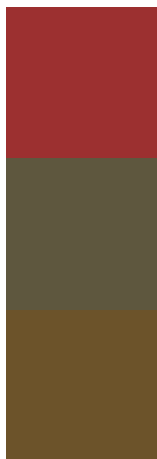


This preview shows how white text looks on a background with the XYZ color 15.3008, 9.3952,

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

15.3008, 9.3952, 3.8033

Protanopia

8.8938, 9.5439, 5.9308

Deuteranopia

9.6955, 9.5418, 3.5212



Tritanopia

15.3430, 9.4121, 4.0257

Trichromacy



Original Color

15.3008, 9.3952, 3.8033

Protanomaly

10.4572, 8.8424, 5.0265

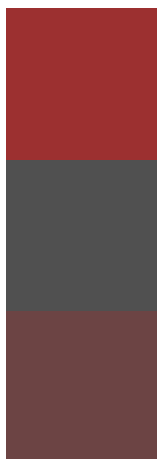
Deuteranomaly

11.1022, 8.9221, 3.5199

Tritanomaly

15.3216, 9.4036, 3.9133

Monochromacy



Original Color

15.3008, 9.3952, 3.8033

Achromatopsia

7.6249, 8.0220, 8.7359

Achromatomaly

9.2949, 7.7397, 6.4729

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.3008, 9.3952, 3.8033 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, 48)` looks like.

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

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, 48) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 15.3008, 9.3952, 3.8033 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, 48) }
```


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

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

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, 48)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to XYZ 15.3008, 9.3952, 3.8033 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, 48) }
```

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

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

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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