

Converting Colors

XYZ(15.3317, 7.8224, 4.3929)

Have a look what the booklet for
XYZ(15.3317, 7.8224, 4.3929)
contains.

XYZ(15.4118, 7.8626, 4.4467)	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(15.4118, 7.8626,
4.4467)**

Conversions

Conversions Part 1

Format	Color
Hex	A10038
RGB	161, 0, 56
RGB Percent	63%, 0%, 22%
CMY	0.3686, 0.9999, 0.7804
CMYK	0.00, 1.00, 0.65, 0.37
HSL	339°, 100%, 32%
HSV	339°, 100%, 63%
XYZ	15.4118, 7.8626, 4.4467
YIQ	54.5230, 77.9800, 51.5480

Conversions

Conversions Part 2

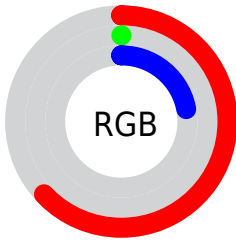
Format	Color
R_{YB}	161, 0, 56
Decimal	10551352
CIE _{Lab}	33.70, 58.45, 16.81
CIE _{LCh}	34, 60.817, 16.043
Yxy	7.8626, 0.5560, 0.2836
Android (android.graphics.Color)	4288741432 (0xFFA10038)
YUV	54.5230, 0.7282, 93.3803
Hunter-Lab	28.0403, 49.0383, 10.2259

Details

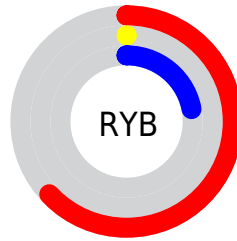
The XYZ color **15.4118, 7.8626, 4.4467** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **15.2961, 26.5103, 17.6817**, and the grayscale version is **3.5652, 3.7509, 4.0847**.

A 20% lighter version of the original color is **35.1069, 21.6578, 14.9004**, and **5.5588, 2.8565, 0.6738** is the 20% darker color. If you saturate the color by 10%, you get **15.4114, 7.8624, 4.4448**, and if you desaturate by 10%, it is **15.8833, 8.3506, 6.0068**.

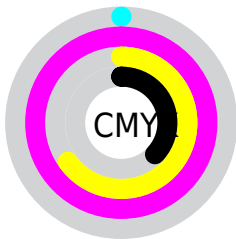
Distribution



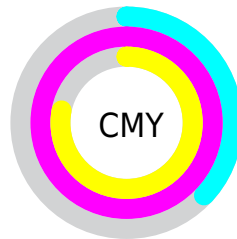
- Red (63%)
- Green (0%)
- Blue (22%)



- Red (63%)
- Yellow (0%)
- Blue (22%)



- Cyan (0%)
- Magenta (100%)
- Yellow (65%)
- Black (37%)





- Cyan (37%)
- Magenta (100%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.4118, 7.8626, 4.4467 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 15.4118, 7.8626, 4.4467 by changing the saturation by 10% instead.


 15.4118, 7.8626,
4.4467


 15.4118, 7.8626,
4.4467


219.1847,
174.6503, 153.0681


 9.1971, 4.0072,
1.8735


 35.1398, 21.6886,
15.0275


 4.9281, 1.6776,
0.4758

 49.3837, 32.4280,
23.8722


 2.2395, 0.4091,
0.0000

 67.0348, 46.2309,
35.6445

 0.7634, 0.0000,
0.0000

 88.4584, 63.4815,
50.7628

 0.0000, 0.0000,
0.0000

 114.0198, 84.5644,
69.6458

 144.0844,

109.8639, 92.7120

179.0176,
139.7644, 120.3799

15.4118, 7.8626,
4.4467

15.4118, 7.8626,
4.4467

15.4114, 7.8624,
4.4448

15.8833, 8.3506,
6.0068

16.5601, 9.1580,
7.9166

17.5091, 10.4139,
10.2125

18.7602, 12.1737,
12.9178

20.3389, 14.4849,
16.0533

■ 22.2682, 17.3891,
19.6384

■ 24.5687, 20.9243,
23.6912

■ 27.2594, 25.1249,
28.2285

■ 30.3581, 30.0230,
33.2665

Harmonies

Analogous

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



15.5092, 7.8626, 13.7539



15.4118, 7.8626, 4.4467



12.8195, 7.8626, 1.0013

Triad

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



15.4118, 7.8626, 4.4467



3.7637, 7.8626, 1.1177



6.0406, 7.8626, 41.2384

Complementary

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



15.4118, 7.8626, 4.4467



15.2961, 26.5103, 17.6817

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.



3.8683, 7.8626, 29.5316



15.4118, 7.8626, 4.4467



2.8415, 7.8626, 4.8738

Square

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



15.4118, 7.8626, 4.4467



5.8485, 7.8626, 0.0000



2.8731, 7.8626, 14.6518



9.3739, 7.8626, 40.7505

Rectangle

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



15.4118, 7.8626, 4.4467



10.3673, 7.8626, 0.1760



2.8731, 7.8626, 14.6518



5.1750, 7.8626, 38.3635

Sweetspot

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



15.4120, 7.8631, 4.4468



43.7438, 37.0759, 41.9862



12.2189, 5.5563, 34.1466



9.2229, 7.5591, 8.5624



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



15.4120, 7.8631, 4.4468



27.5158, 14.0471, 7.5143



15.0282, 8.2374, 0.7986



7.1707, 7.1247, 7.8854



12.3263, 6.2866, 3.6431



0.2807, 0.1408, 0.1906

Inverse Universe

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



15.4120, 7.8631, 4.4468



27.5158, 14.0471, 7.5143



15.3581, 20.4230, 36.8507



7.1707, 7.1247, 7.8854



12.3263, 6.2866, 3.6431



0.2807, 0.1408, 0.1906

Previews

White Background



This preview shows how the XYZ color 15.4118, 7.8626, 4.4467 looks on a white background.

Color Contrast Check

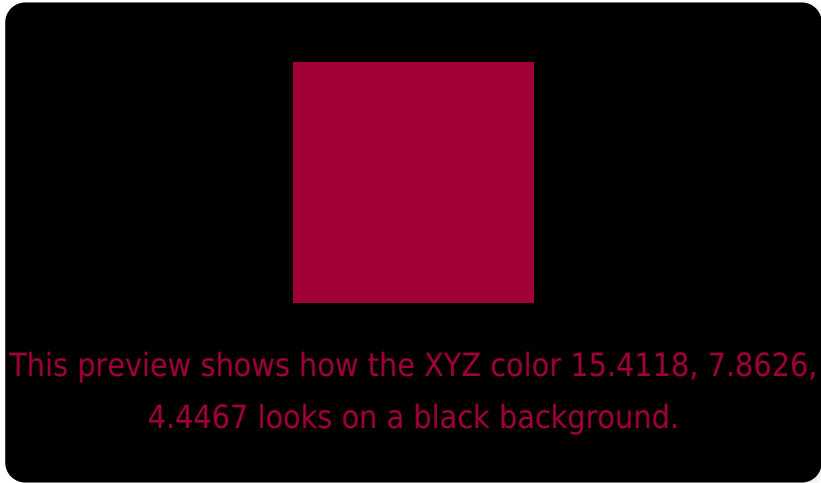
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.4118, 7.8626, 4.4467

Background



This preview shows how black text looks on a background with the XYZ color 15.4118, 7.8626, 4.4467.



This preview shows how white text looks on a background with the XYZ color 15.4118, 7.8626, 4.4467.

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

15.4118, 7.8626, 4.4467

Protanopia

8.1964, 8.5286, 9.1968

Deuteranopia

8.6059, 8.5230, 4.0973



Tritanopia

14.9299, 8.1369, 1.4455

Trichromacy



Original Color

15.4118, 7.8626, 4.4467

Protanomaly

9.1127, 6.3818, 7.0548

Deuteranomaly

9.7865, 6.6667, 4.0198

Tritanomaly

14.9425, 7.9250, 2.1810

Monochromacy



Original Color

15.4118, 7.8626, 4.4467

Achromatopsia

3.6313, 3.8204, 4.1605

Achromatomaly

5.9067, 3.8576, 4.0477

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.4118, 7.8626, 4.4467 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(161, 0, 56)` looks like.

```
.text, #text, p{  
    color:rgb(161, 0, 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(161, 0, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 0, 56) }
```

Border

The CSS property to change the border of an element to XYZ 15.4118, 7.8626, 4.4467 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(161, 0, 56) }
```


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

```
.border{ border-color:rgb(161, 0, 56) }
```

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

Here you see how a box with a 4 pixel rgb(161, 0, 56) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 0, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 0, 56);  
box-shadow:4px 4px 4px 4px rgb(161, 0, 56)  
}
```

Background

The CSS property to change the background color of an element to XYZ 15.4118, 7.8626, 4.4467 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 0, 56) }
```

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

```
.background{ background-color: rgb(161, 0,  
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](#).

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