

Converting Colors

XYZ(13.5588, 3.9807, 4.1586)

Have a look what the booklet for
XYZ(13.5588, 3.9807, 4.1586)
contains.

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Color

**XYZ(15.4874, 7.8928,
4.8449)**

Conversions

Conversions Part 1

Format	Color
Hex	A1003B
RGB	161, 0, 59
RGB Percent	63%, 0%, 23%
CMY	0.3686, 0.9999, 0.7686
CMYK	0.00, 1.00, 0.63, 0.37
HSL	338°, 100%, 32%
HSV	338°, 100%, 63%
XYZ	15.4874, 7.8928, 4.8449
YIQ	54.8650, 77.0170, 52.4810

Conversions

Conversions Part 2

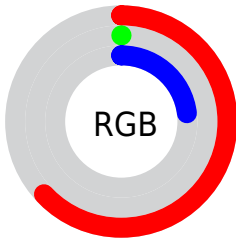
Format	Color
R_{YB}	161, 0, 59
Decimal	10551355
CIE Lab	33.76, 58.62, 14.92
CIE LCh	34, 60.489, 14.279
Yxy	7.8928, 0.5487, 0.2796
Android (android.graphics.Color)	4288741435 (0xFFA1003B)
YUV	54.8650, 2.0386, 93.0804
Hunter-Lab	28.0941, 49.2367, 9.4412

Details

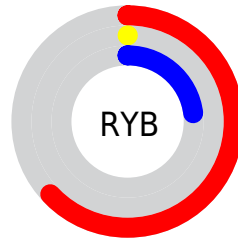
The XYZ color **15.4874, 7.8928, 4.8449** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **15.1444, 26.4496, 16.8828**, and the grayscale version is **3.6064, 3.7942, 4.1319**.

A 20% lighter version of the original color is **35.3102, 21.7391, 15.9707**, and **5.5887, 2.8685, 0.8314** is the 20% darker color. If you saturate the color by 10%, you get **15.4870, 7.8927, 4.8431**, and if you desaturate by 10%, it is **15.9655, 8.3834, 6.4398**.

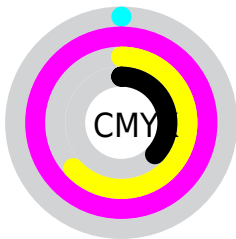
Distribution



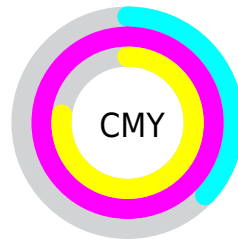
- Red (63%)
- Green (0%)
- Blue (23%)



- Red (63%)
- Yellow (0%)
- Blue (23%)



- Cyan (0%)
- Magenta (100%)
- Yellow (63%)
- Black (37%)




- Cyan (37%)
- Magenta (100%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.4874, 7.8928, 4.8449 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 15.4874, 7.8928, 4.8449 by changing the saturation by 10% instead.


 15.4874, 7.8928,
4.8449


 15.4874, 7.8928,
4.8449


219.6280,
174.8887, 157.1985


 9.2507, 4.0264,
2.0994


 35.2707, 21.7480,
15.9157

 4.9635, 1.6884,
0.6154

 49.5479, 32.5057,
25.0781


 2.2604, 0.4161,
0.0000

 67.2361, 46.3292,
37.2166

 0.7743, 0.0000,
0.0000

 88.7006, 63.6030,
52.7496

 0.0000, 0.0000,
0.0000

 114.3066, 84.7114,
72.0958

 144.4196,

110.0389, 95.6737

179.4050,
139.9699, 123.9017

15.4874, 7.8928,
4.8449

15.4874, 7.8928,
4.8449

15.4870, 7.8927,
4.8431

15.9655, 8.3834,
6.4398

16.6464, 9.1924,
8.3712

17.5967, 10.4488,
10.6742

18.8460, 12.2078,
13.3704

20.4197, 14.5169,
16.4796

■ 22.3405, 17.4177,
20.0201

■ 24.6288, 20.9479,
24.0087

■ 27.3034, 25.1419,
28.4615

■ 30.3819, 30.0320,
33.3936

Harmonies

Analogous

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



15.4205, 7.8928, 14.5202



15.4874, 7.8928, 4.8449



13.0255, 7.8928, 1.1250

Triad

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



15.4874, 7.8928, 4.8449



3.8858, 7.8928, 1.0436



5.9101, 7.8928, 40.6546

Complementary

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



15.4874, 7.8928, 4.8449



15.1444, 26.4496, 16.8828

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.



3.8134, 7.8928, 28.5572



15.4874, 7.8928, 4.8449



2.9006, 7.8928, 4.5496

Square

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



15.4874, 7.8928, 4.8449



6.0427, 7.8928, 0.0000



2.8788, 7.8928, 13.9023



9.1788, 7.8928, 40.9891

Rectangle

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



15.4874, 7.8928, 4.8449



10.6074, 7.8928, 0.2593



2.8788, 7.8928, 13.9023



5.0706, 7.8928, 37.5764

Sweetspot

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



15.4876, 7.8933, 4.8450



43.8534, 37.1198, 42.5636



11.9098, 5.3969, 34.1322



9.2489, 7.5695, 8.6997



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.



15.4876, 7.8933, 4.8450



27.6486, 14.1002, 8.2136



14.9752, 8.1314, 0.7808



7.1760, 7.1269, 7.9135



12.3873, 6.3110, 3.9641



0.2825, 0.1415, 0.2002

Inverse Universe

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



15.4876, 7.8933, 4.8450



27.6486, 14.1002, 8.2136



15.7437, 21.1942, 36.9793



7.1760, 7.1269, 7.9135



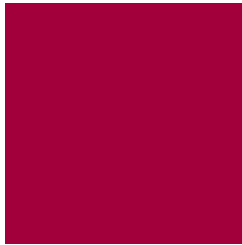
12.3873, 6.3110, 3.9641



0.2825, 0.1415, 0.2002

Previews

White Background



This preview shows how the XYZ color 15.4874, 7.8928, 4.8449 looks on a white background.

Color Contrast Check

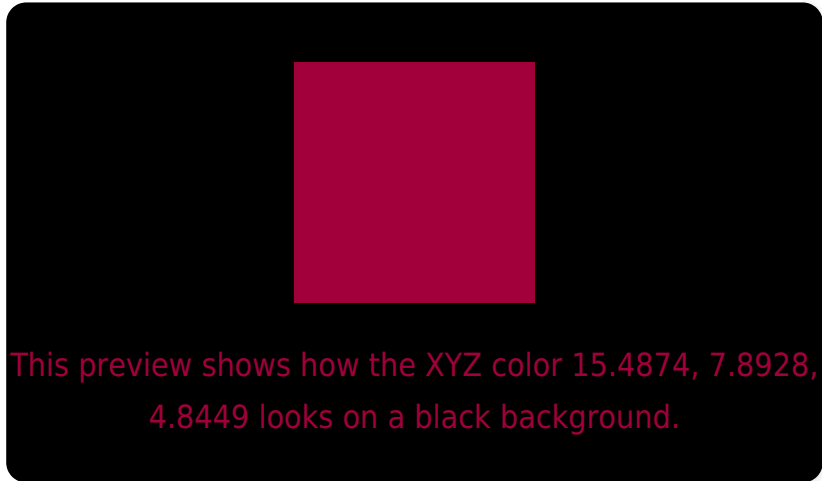
Large Text (above 18pt) WCAG AA ✓ Pass

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

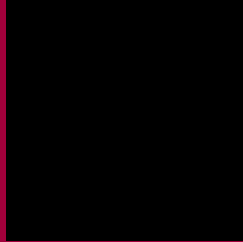
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.4874, 7.8928, 4.8449

Background



This preview shows how black text looks on a background with the XYZ color 15.4874, 7.8928, 4.8449.



This preview shows how white text looks on a background with the XYZ color 15.4874, 7.8928,

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

15.4874, 7.8928, 4.8449

Protanopia

8.2643, 8.5455, 10.0180

Deuteranopia

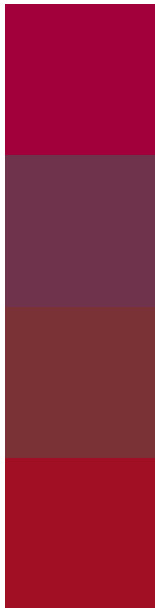
8.6713, 8.5492, 4.4419



Tritanopia

14.9687, 8.1848, 1.5499

Trichromacy



Original Color

15.4874, 7.8928, 4.8449

Protanomaly

9.0880, 6.3573, 7.5856

Deuteranomaly

9.8562, 6.6946, 4.3871

Tritanomaly

14.9714, 7.9366, 2.3329

Monochromacy



Original Color

15.4874, 7.8928, 4.8449

Achromatopsia

3.6313, 3.8204, 4.1605

Achromatomaly

5.9309, 3.8673, 4.1752

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.4874, 7.8928, 4.8449 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, 59)` looks like.

```
.text, #text, p{  
    color:rgb(161, 0, 59)  
}
```

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, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 0, 59) }
```

Border

The CSS property to change the border of an element to XYZ 15.4874, 7.8928, 4.8449 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, 59) }
```


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

```
.border{ border-color:rgb(161, 0, 59) }
```

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, 59) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 0, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 0, 59);  
box-shadow:4px 4px 4px 4px rgb(161, 0, 59)  
}
```

Background

The CSS property to change the background color of an element to XYZ 15.4874, 7.8928, 4.8449 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, 59) }
```

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

```
.background{ background-color: rgb(161, 0,  
59) }
```

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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