

Converting Colors

XYZ(15.7231, 8.0578, 2.8927)

Have a look what the booklet for
XYZ(15.7231, 8.0578, 2.8927)
contains.

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Color

**XYZ(15.7278, 8.0597,
2.9172)**

Conversions

Conversions Part 1

Format	Color
Hex	A4002A
RGB	164, 0, 42
RGB Percent	64%, 0%, 16%
CMY	0.3569, 0.9999, 0.8353
CMYK	0.00, 1.00, 0.74, 0.36
HSL	345°, 100%, 32%
HSV	345°, 100%, 64%
XYZ	15.7278, 8.0597, 2.9172
YIQ	53.8240, 84.2620, 47.8300

Conversions

Conversions Part 2

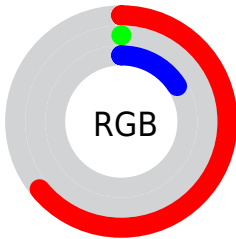
Format	Color
RYB	164, 0, 42
Decimal	10747946
CIELab	34.11, 58.52, 26.55
CIELCh	34, 64.264, 24.398
Yxy	8.0597, 0.5890, 0.3018
Android (android.graphics.Color)	4288938026 (0xFFA4002A)
YUV	53.8240, -5.8292, 96.6244
Hunter-Lab	28.3896, 49.2069, 13.7803

Details

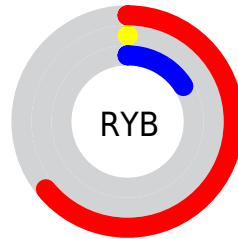
The XYZ color **15.7278, 8.0597, 2.9172** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **16.7902, 27.9568, 22.9319**, and the grayscale version is **3.4860, 3.6675, 3.9939**.

A 20% lighter version of the original color is **35.6688, 22.0258, 11.3883**, and **5.7089, 2.9431, 0.2672** is the 20% darker color. If you saturate the color by 10%, you get **15.7274, 8.0595, 2.9154**, and if you desaturate by 10%, it is **16.1720, 8.5440, 4.3117**.

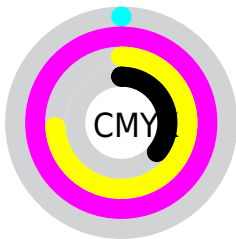
Distribution



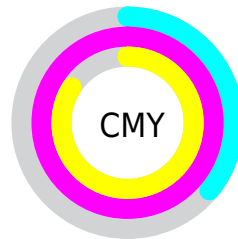
- Red (64%)
- Green (0%)
- Blue (16%)



- Red (64%)
- Yellow (0%)
- Blue (16%)



- Cyan (0%)
- Magenta (100%)
- Yellow (74%)
- Black (36%)



- Cyan (36%)
- Magenta (100%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.7278, 8.0597, 2.9172 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 15.7278, 8.0597, 2.9172 by changing the saturation by 10% instead.


 15.7278, 8.0597,
2.9172


 15.7278, 8.0597,
2.9172


221.0322,
176.1995, 135.2990


 9.4214, 4.1332,
1.0525


 35.6863, 22.0754,
11.4234


 5.0763, 1.7483,
0.0000

 50.0690, 32.9334,
18.9021


 2.3273, 0.4547,
0.0000

 67.8746, 46.8706,
29.0891

 0.8086, 0.0000,
0.0000


 89.4684, 64.2715,
42.4030


 0.0000, 0.0000,
0.0000

 115.2156, 85.5204,
59.2624


 145.4818,


111.0018, 80.0859

 180.6322,
141.1000, 105.2919


 15.7278, 8.0597,
2.9172


 15.7278, 8.0597,
2.9172

 15.7274, 8.0595,
2.9154

 16.1720, 8.5440,
4.3117

 16.8441, 9.3687,
6.1374

 17.8145, 10.6668,
8.4421

 19.1162, 12.4973,
11.2588

 20.7777, 14.9104,
14.6173

■ 22.8241, 17.9504,
18.5453

■ 25.2784, 21.6573,
23.0681

■ 28.1617, 26.0679,
28.2097

■ 31.4936, 31.2160,
33.9927

Harmonies

Analogous

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



16.6801, 8.0597, 10.8295



15.7278, 8.0597, 2.9172



12.3706, 8.0597, 0.4582

Triad

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



15.7278, 8.0597, 2.9172



3.3372, 8.0597, 1.5993



7.0122, 8.0597, 46.2553

Complementary

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



15.7278, 8.0597, 2.9172



16.7902, 27.9568, 22.9319

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.



4.3295, 8.0597, 36.2711



15.7278, 8.0597, 2.9172



2.6714, 8.0597, 6.9994

Square

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



15.7278, 8.0597, 2.9172



5.1688, 8.0597, 0.0196



2.9681, 8.0597, 19.6055



10.8465, 8.0597, 41.4207

Rectangle

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



15.7278, 8.0597, 2.9172



9.6507, 8.0597, 0.0000



2.9681, 8.0597, 19.6055



5.9646, 8.0597, 44.3791

Sweetspot

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



15.7280, 8.0602, 2.9173



45.6055, 38.8873, 41.3663



14.4848, 6.6935, 35.6504



9.5656, 7.8884, 8.3042



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



15.7280, 8.0602, 2.9173



28.4755, 14.6005, 4.9106



16.0122, 9.2972, 0.9513



7.1447, 7.1143, 7.7485



12.0760, 6.1865, 2.3250



0.2717, 0.1372, 0.1434

Inverse Universe

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



15.7280, 8.0602, 2.9173



28.4755, 14.6005, 4.9106



14.1287, 17.5356, 37.7619



7.1447, 7.1143, 7.7485



12.0760, 6.1865, 2.3250



0.2717, 0.1372, 0.1434

Previews

White Background



This preview shows how the XYZ color 15.7278, 8.0597, 2.9172 looks on a white background.

Color Contrast Check

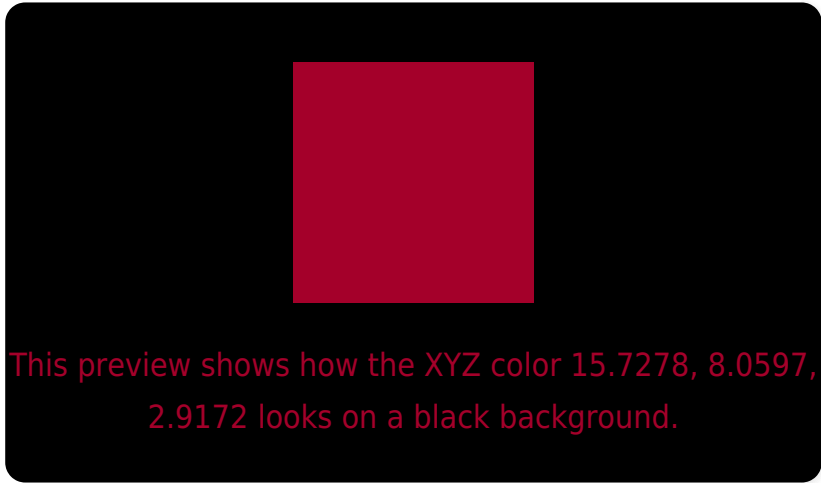
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.7278, 8.0597, 2.9172

Background



This preview shows how black text looks on a background with the XYZ color 15.7278, 8.0597, 2.9172.

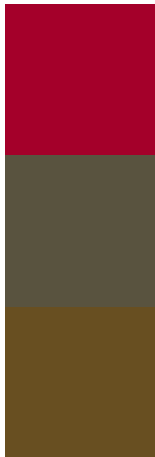


This preview shows how white text looks on a background with the XYZ color 15.7278, 8.0597,

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

15.7278, 8.0597, 2.9172

Protanopia

8.1103, 8.6692, 5.9485

Deuteranopia

8.7794, 8.6448, 2.6447



Tritanopia

15.3711, 8.2140, 1.1231

Trichromacy



Original Color

15.7278, 8.0597, 2.9172

Protanomaly

9.1652, 6.5350, 4.3928

Deuteranomaly

10.0632, 6.8442, 2.4597

Tritanomaly

15.3786, 8.0877, 1.5612

Monochromacy



Original Color

15.7278, 8.0597, 2.9172

Achromatopsia

3.5063, 3.6889, 4.0173

Achromatomaly

5.7638, 3.7540, 3.4384

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.7278, 8.0597, 2.9172 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(164, 0, 42)` looks like.

```
.text, #text, p{  
    color:rgb(164, 0, 42)  
}
```

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(164, 0, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 0, 42) }
```

Border

The CSS property to change the border of an element to XYZ 15.7278, 8.0597, 2.9172 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(164, 0, 42) }
```


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

```
.border{ border-color:rgb(164, 0, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 0, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 0, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 0, 42);  
box-shadow:4px 4px 4px 4px rgb(164, 0, 42)  
}
```

Background

The CSS property to change the background color of an element to XYZ 15.7278, 8.0597, 2.9172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 0, 42) }
```

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

```
.background{ background-color: rgb(164, 0,  
42) }
```

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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