

Converting Colors

XYZ(15.5944, 7.9873, 3.0742)

Have a look what the booklet for
XYZ(15.5944, 7.9873, 3.0742)
contains.

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Color

**XYZ(15.5589, 7.9684,
3.1009)**

Conversions

Conversions Part 1

Format	Color
Hex	A3002C
RGB	163, 0, 44
RGB Percent	64%, 0%, 17%
CMY	0.3608, 0.9999, 0.8274
CMYK	0.00, 1.00, 0.73, 0.36
HSL	344°, 100%, 32%
HSV	344°, 100%, 64%
XYZ	15.5589, 7.9684, 3.1009
YIQ	53.7530, 83.0240, 48.2400

Conversions

Conversions Part 2

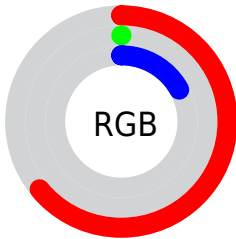
Format	Color
RYB	163, 0, 44
Decimal	10682412
CIELab	33.92, 58.36, 24.99
CIElCh	34, 63.482, 23.180
Yxy	7.9684, 0.5843, 0.2992
Android (android.graphics.Color)	4288872492 (0xFFA3002C)
YUV	53.7530, -4.8082, 95.8096
Hunter-Lab	28.2284, 48.9860, 13.2468

Details

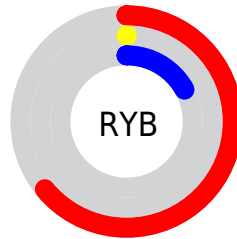
The XYZ color **15.5589, 7.9684, 3.1009** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **16.4287, 27.5269, 21.9081**, and the grayscale version is **3.4762, 3.6572, 3.9827**.

A 20% lighter version of the original color is **35.4390, 21.8977, 11.8100**, and **5.5935, 2.8836, 0.2618** is the 20% darker color. If you saturate the color by 10%, you get **15.5584, 7.9682, 3.0990**, and if you desaturate by 10%, it is **16.0057, 8.4514, 4.5165**.

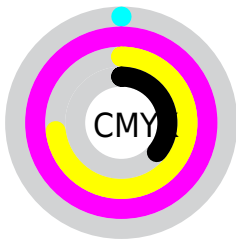
Distribution



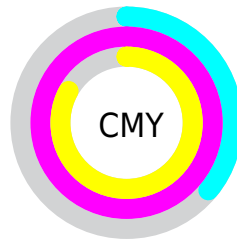
- Red (64%)
- Green (0%)
- Blue (17%)



- Red (64%)
- Yellow (0%)
- Blue (17%)



- Cyan (0%)
- Magenta (100%)
- Yellow (73%)
- Black (36%)





- Cyan (36%)
- Magenta (100%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.5589, 7.9684, 3.1009 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 15.5589, 7.9684, 3.1009 by changing the saturation by 10% instead.


 15.5589, 7.9684,
3.1009


 15.5589, 7.9684,
3.1009


220.0466,
175.4839, 137.6355


 9.3014, 4.0747,
1.1464


 35.3944, 21.8965,
11.8764


 4.9970, 1.7155,
0.0000

 49.7031, 32.6997,
19.5345


 2.2802, 0.4336,
0.0000

 67.4263, 46.5748,
29.9308

 0.7845, 0.0000,
0.0000


 88.9293, 63.9064,
43.4840


 0.0000, 0.0000,
0.0000


 114.5775, 85.0786,
60.6125

 144.7362,

110.4761, 81.7349


 179.7707,
140.4830, 107.2697


 15.5589, 7.9684,
3.1009


 15.5589, 7.9684,
3.1009


 15.5584, 7.9682,
3.0990

 16.0057, 8.4514,
4.5165

 16.6751, 9.2685,
6.3477

 17.6365, 10.5518,
8.6397

 18.9221, 12.3589,
11.4237

 20.5597, 14.7394,
14.7278

■ 22.5738, 17.7366,
18.5778

■ 24.9869, 21.3900,
22.9976

■ 27.8195, 25.7356,
28.0098

■ 31.0907, 30.8069,
33.6356

Harmonies

Analogous

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



16.3705, 7.9684, 11.1618



15.5589, 7.9684, 3.1009



12.3436, 7.9684, 0.5355

Triad

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



15.5589, 7.9684, 3.1009



3.3749, 7.9684, 1.5070



6.8052, 7.9684, 45.1097

Complementary

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



15.5589, 7.9684, 3.1009



16.4287, 27.5269, 21.9081

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.



4.2246, 7.9684, 34.9068



15.5589, 7.9684, 3.1009



2.6770, 7.9684, 6.5901

Square

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



15.5589, 7.9684, 3.1009



5.2296, 7.9684, 0.0084



2.9315, 7.9684, 18.6398



10.5308, 7.9684, 40.9977

Rectangle

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



15.5589, 7.9684, 3.1009



9.6839, 7.9684, 0.0000



2.9315, 7.9684, 18.6398



5.7948, 7.9684, 43.0834

Sweetspot

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



15.5591, 7.9689, 3.1010



44.4826, 37.9007, 40.7057



13.9236, 6.4146, 35.1544



9.5850, 7.8961, 8.4060



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.



15.5591, 7.9689, 3.1010



27.7918, 14.2416, 5.1692



15.7153, 9.0085, 0.9113



7.1486, 7.1159, 7.7691



12.1087, 6.1995, 2.4970



0.2730, 0.1377, 0.1505

Inverse Universe

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



15.5591, 7.9689, 3.1010



27.7918, 14.2416, 5.1692



14.2898, 18.0017, 37.3717



7.1486, 7.1159, 7.7691



12.1087, 6.1995, 2.4970



0.2730, 0.1377, 0.1505

Previews

White Background



This preview shows how the XYZ color 15.5589, 7.9684, 3.1009 looks on a white background.

Color Contrast Check

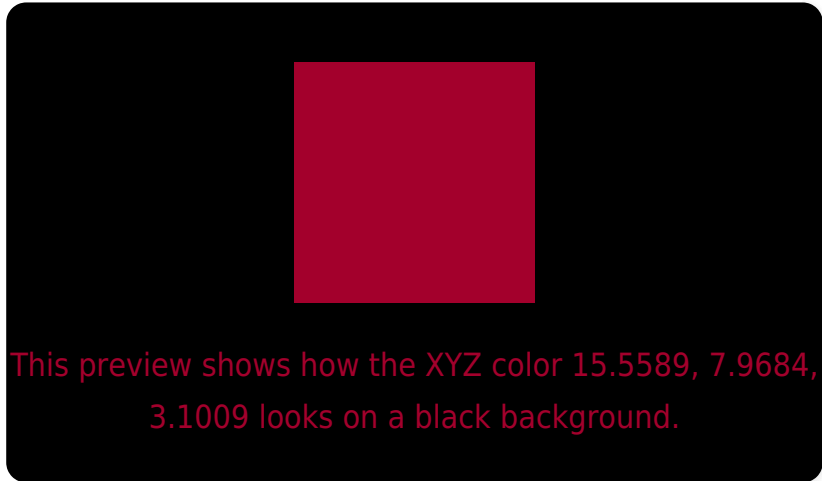
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.5589, 7.9684, 3.1009

Background



This preview shows how black text looks on a background with the XYZ color 15.5589, 7.9684, 3.1009.



This preview shows how white text looks on a background with the XYZ color 15.5589, 7.9684,

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

15.5589, 7.9684, 3.1009

Protanopia

8.1011, 8.6546, 6.3978

Deuteranopia

8.6929, 8.5969, 2.7913



Tritanopia

15.1892, 8.1431, 1.1520

Trichromacy



Original Color

15.5589, 7.9684, 3.1009

Protanomaly

9.1071, 6.4965, 4.7769

Deuteranomaly

9.9479, 6.7811, 2.6183

Tritanomaly

15.1848, 7.9867, 1.6054

Monochromacy



Original Color

15.5589, 7.9684, 3.1009

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 15.5589, 7.9684, 3.1009 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(163, 0, 44)` looks like.

```
.text, #text, p{  
    color:rgb(163, 0, 44)  
}
```

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(163, 0, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 0, 44) }
```

Border

The CSS property to change the border of an element to XYZ 15.5589, 7.9684, 3.1009 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(163, 0, 44) }
```


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

```
.border{ border-color:rgb(163, 0, 44) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 0, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 0, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 0, 44);  
box-shadow:4px 4px 4px 4px rgb(163, 0, 44)  
}
```

Background

The CSS property to change the background color of an element to XYZ 15.5589, 7.9684, 3.1009 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 0, 44) }
```

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

```
.background{ background-color: rgb(163, 0,  
44) }
```

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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