

Converting Colors

XYZ(9.6633, 2.9702, 2.4508)

Have a look what the booklet for
XYZ(9.6633, 2.9702, 2.4508)
contains.

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Color

**XYZ(10.9359, 5.5851,
2.8845)**

Conversions

Conversions Part 1

Format	Color
Hex	8A002C
RGB	138, 0, 44
RGB Percent	54%, 0%, 17%
CMY	0.4588, 0.9999, 0.8275
CMYK	0.00, 1.00, 0.68, 0.46
HSL	341°, 100%, 27%
HSV	341°, 100%, 54%
XYZ	10.9359, 5.5851, 2.8845
YIQ	46.2780, 68.1240, 42.9400

Conversions

Conversions Part 2

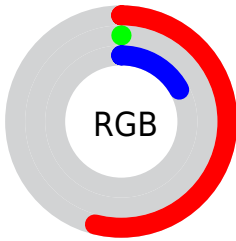
Format	Color
RYB	138, 0, 44
Decimal	9044012
CIELab	28.34, 52.06, 16.83
CIElCh	28, 54.717, 17.912
Yxy	5.5851, 0.5635, 0.2878
Android (android.graphics.Color)	4287234092 (0xFF8A002C)
YUV	46.2780, -1.1231, 80.4402
Hunter-Lab	23.6328, 41.2420, 9.3063

Details

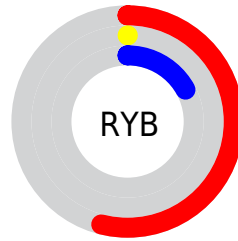
The XYZ color **10.9359, 5.5851, 2.8845** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **11.1097, 18.9855, 13.6722**, and the grayscale version is **2.6227, 2.7593, 3.0049**.

A 20% lighter version of the original color is **27.2820, 17.1074, 11.3153**, and **3.3083, 1.7055, 0.1548** is the 20% darker color. If you saturate the color by 10%, you get **10.9357, 5.5851, 2.8835**, and if you desaturate by 10%, it is **11.2877, 5.9731, 3.9747**.

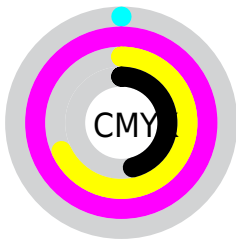
Distribution



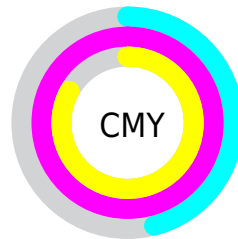
- Red (54%)
- Green (0%)
- Blue (17%)



- Red (54%)
- Yellow (0%)
- Blue (17%)



- Cyan (0%)
- Magenta (100%)
- Yellow (68%)
- Black (46%)





- Cyan (46%)
- Magenta (100%)
- Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.9359, 5.5851, 2.8845 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 10.9359, 5.5851, 2.8845 by changing the saturation by 10% instead.


 10.9359, 5.5851,
2.8845

 10.9359, 5.5851,
2.8845


191.1446,
155.3274, 134.8757


 6.0907, 2.5945,
1.0360


 27.1756, 17.0640,
11.3421


 2.9415, 0.9239,
0.0000

 39.3008, 26.3211,
18.7882


 1.1229, 0.0000,
0.0000

 54.5834, 38.4358,
28.9373

 0.0442, 0.0000,
0.0000


 73.3887, 53.7925,
42.2078


 0.0000, 0.0000,
0.0000


 96.0822, 72.7757,
59.0184


 123.0291, 95.7696,

79.7876


 154.5948,
123.1587, 104.9338


 10.9359, 5.5851,
2.8845


 10.9359, 5.5851,
2.8845


 10.9357, 5.5851,
2.8835

 11.2877, 5.9731,
3.9747

 11.7791, 6.5723,
5.3214

 12.4649, 7.4885,
6.9541

 13.3656, 8.7593,
8.8901

 14.4988, 10.4167,
11.1451

■ 15.8803, 12.4895,
13.7336

■ 17.5244, 15.0032,
16.6691

■ 19.4443, 17.9818,
19.9643

■ 21.6523, 21.4471,
23.6314

Harmonies

Analogous

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



11.1311, 5.5851, 9.2460



10.9359, 5.5851, 2.8845



8.9884, 5.5851, 0.5773

Triad

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



10.9359, 5.5851, 2.8845



2.5929, 5.5851, 0.8521



4.4098, 5.5851, 29.8694

Complementary

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



10.9359, 5.5851, 2.8845



11.1097, 18.9855, 13.6722

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.



2.8014, 5.5851, 21.8295



10.9359, 5.5851, 2.8845



1.9819, 5.5851, 3.7361

Square

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



10.9359, 5.5851, 2.8845



4.0261, 5.5851, 0.0000



2.0447, 5.5851, 11.0459



6.8378, 5.5851, 28.8882

Rectangle

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



10.9359, 5.5851, 2.8845



7.2141, 5.5851, 0.0000



2.0447, 5.5851, 11.0459



3.7720, 5.5851, 27.9782

Sweetspot

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



10.9360, 5.5854, 2.8846



30.6863, 26.1324, 29.0258



9.0017, 4.1109, 24.3638



6.6369, 5.4840, 6.0760



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



10.9360, 5.5854, 2.8846



19.2111, 9.8186, 4.7405



10.7880, 6.0166, 0.5931



5.0943, 5.0732, 5.5851



10.0326, 5.1231, 2.6759



0.0727, 0.0365, 0.0499

Inverse Universe

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



10.9360, 5.5854, 2.8846



19.2111, 9.8186, 4.7405



10.7187, 14.0971, 26.2009



5.0943, 5.0732, 5.5851



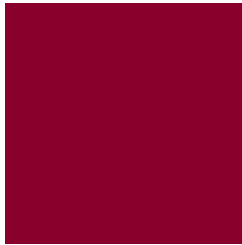
10.0326, 5.1231, 2.6759



0.0727, 0.0365, 0.0499

Previews

White Background



This preview shows how the XYZ color 10.9359, 5.5851, 2.8845 looks on a white background.

Color Contrast Check

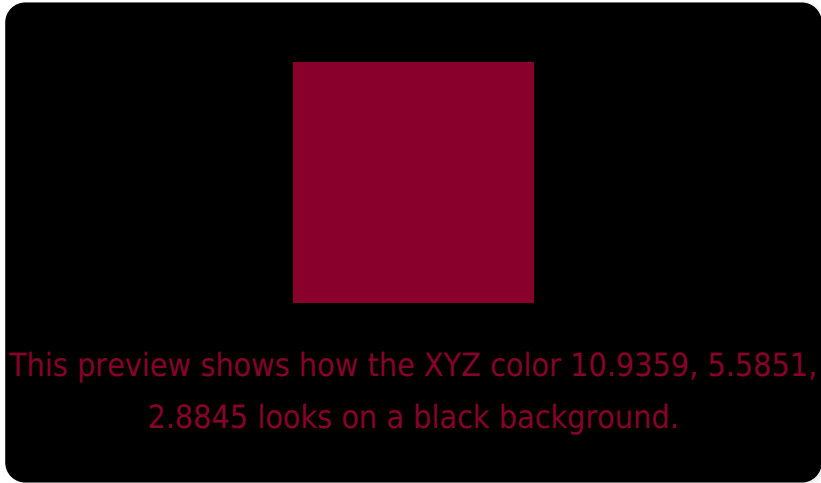
Large Text (above 18pt) WCAG AA ✓ Pass

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

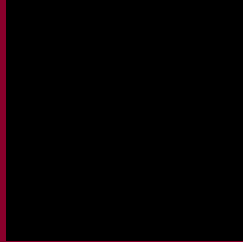
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 10.9359, 5.5851, 2.8845

Background



This preview shows how black text looks on a background with the XYZ color 10.9359, 5.5851, 2.8845.



This preview shows how white text looks on a background with the XYZ color 10.9359, 5.5851, 2.8845.

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

10.9359, 5.5851, 2.8845

Protanopia

5.8919, 6.1784, 5.8830

Deuteranopia

6.1948, 6.1327, 2.6909



Tritanopia

10.6191, 5.7855, 1.0090

Trichromacy



Original Color

10.9359, 5.5851, 2.8845

Protanomaly

6.6067, 4.7136, 4.4325

Deuteranomaly

7.0726, 4.8842, 2.5775

Tritanomaly

10.6227, 5.6323, 1.5045

Monochromacy



Original Color

10.9359, 5.5851, 2.8845

Achromatopsia

2.5969, 2.7321, 2.9752

Achromatomaly

4.1375, 2.7305, 2.7916

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.9359, 5.5851, 2.8845 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(138, 0, 44)` looks like.

```
.text, #text, p{  
    color:rgb(138, 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(138, 0, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 0, 44) }
```

Border

The CSS property to change the border of an element to XYZ 10.9359, 5.5851, 2.8845 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(138, 0, 44) }
```


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

```
.border{ border-color:rgb(138, 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(138, 0, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 0, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 0, 44);  
box-shadow:4px 4px 4px 4px rgb(138, 0, 44)  
}
```

Background

The CSS property to change the background color of an element to XYZ 10.9359, 5.5851, 2.8845 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 0, 44) }
```

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

```
.background{ background-color: rgb(138, 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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