

Converting Colors

XYZ(13.6194, 8.9339, 4.5771)

Have a look what the booklet for
XYZ(13.6194, 8.9339, 4.5771)
contains.

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Color

**XYZ(13.6858, 8.9339,
4.6175)**

Conversions

Conversions Part 1

Format	Color
Hex	913637
RGB	145, 54, 55
RGB Percent	57%, 21%, 22%
CMY	0.4314, 0.7882, 0.7843
CMYK	0.00, 0.63, 0.62, 0.43
HSL	359°, 46%, 39%
HSV	359°, 63%, 57%
XYZ	13.6858, 8.9339, 4.6175
YIQ	81.3230, 53.9150, 19.6030

Conversions

Conversions Part 2

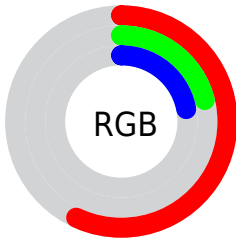
Format	Color
R_{YB}	145, 54, 55
Decimal	9516599
CIE Lab	35.86, 38.55, 19.66
CIE LCh	36, 43.273, 27.026
Yxy	8.9339, 0.5025, 0.3280
Android (android.graphics.Color)	4287706679 (0xFF913637)
YUV	81.3230, -12.9772, 55.8447
Hunter-Lab	29.8896, 29.4243, 11.7633

Details

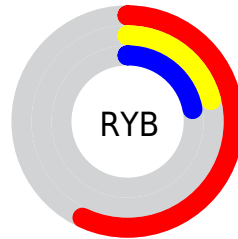
The XYZ color **13.6858, 8.9339, 4.6175** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **16.6814, 23.0489, 29.9572**, and the grayscale version is **7.9028, 8.3144, 9.0544**.

A 20% lighter version of the original color is **32.0785, 23.7590, 15.4656**, and **4.1862, 2.1504, 0.5423** is the 20% darker color. If you saturate the color by 10%, you get **12.8135, 7.6619, 2.8703**, and if you desaturate by 10%, it is **14.8596, 10.6493, 6.9583**.

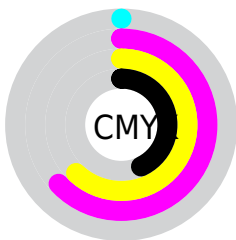
Distribution



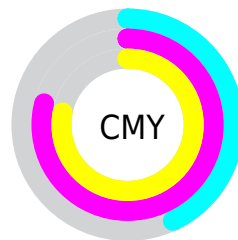
- Red (57%)
- Green (21%)
- Blue (22%)



- Red (57%)
- Yellow (21%)
- Blue (22%)



- Cyan (0%)
- Magenta (63%)
- Yellow (62%)
- Black (43%)





- Cyan (43%)
- Magenta (79%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.6858, 8.9339, 4.6175 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 13.6858, 8.9339, 4.6175 by changing the saturation by 10% instead.


 13.6858, 8.9339,
4.6175


 13.6858, 8.9339,
4.6175


208.8173,
182.8840, 154.8598


 7.9827, 4.6981,
1.9699


 32.1214, 23.7699,
15.4106


 4.1356, 2.0712,
0.5366

 45.5847, 35.1390,
24.3931


 1.7791, 0.6484,
0.0000

 62.3653, 49.6545,
36.3243

 0.5050, 0.0000,
0.0000

 82.8287, 67.7010,
51.6227

 0.0000, 0.0000,
0.0000

 107.3403, 89.6628,
70.7070

 136.2653,

115.9243, 93.9955

169.9692,
146.8699, 121.9069

■ 13.6858, 8.9339,
4.6175

■ 13.6858, 8.9339,
4.6175

■ 12.8135, 7.6619,
2.8703

■ 14.8596, 10.6493,
6.9583

■ 12.2148, 6.7912,
1.6630

■ 16.3585, 12.8422,
9.9392

■ 11.8573, 6.2743,
0.9332

■ 18.2043, 15.5451,
13.6024

■ 11.6857, 6.0232,
0.5922

■ 20.4168, 18.7873,
17.9865

■ 23.0144, 22.5957,
23.1273

■ 26.0140, 26.9956,
29.0580

■ 29.4319, 32.0106,
35.8100

■ 33.2831, 37.6633,
43.4129

■ 37.5820, 43.9747,
51.8949

Harmonies

Analogous

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



14.4301, 8.9339, 10.4788



13.6858, 8.9339, 4.6175



11.4683, 8.9339, 2.0384

Triad

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



13.6858, 8.9339, 4.6175



4.9896, 8.9339, 3.8875



8.2381, 8.9339, 31.7487

Complementary

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



13.6858, 8.9339, 4.6175



16.6814, 23.0489, 29.9572

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.



6.0802, 8.9339, 27.0388



13.6858, 8.9339, 4.6175



4.4571, 8.9339, 9.0130

Square

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



13.6858, 8.9339, 4.6175



6.4418, 8.9339, 1.7907



4.8123, 8.9339, 17.6605



10.9353, 8.9339, 28.5134

Rectangle

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



13.6858, 8.9339, 4.6175



9.6474, 8.9339, 1.4348



4.8123, 8.9339, 17.6605



7.4316, 8.9339, 31.0032

Sweetspot

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



13.6860, 8.9344, 4.6176



38.0477, 35.8207, 35.1493



17.8417, 10.5660, 27.8870



8.2105, 7.5969, 7.3173



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



13.6860, 8.9344, 4.6176



22.4840, 13.0470, 4.2084



16.7094, 15.0189, 5.5090



5.4111, 5.4250, 5.6630



10.0239, 5.1666, 0.5114



0.0962, 0.0495, 0.0069

Inverse Universe

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



13.6860, 8.9344, 4.6176



22.4840, 13.0470, 4.2084



11.2880, 12.1398, 28.5362



5.4111, 5.4250, 5.6630



10.0239, 5.1666, 0.5114



0.0962, 0.0495, 0.0069

Previews

White Background



This preview shows how the XYZ color 13.6858, 8.9339, 4.6175 looks on a white background.

Color Contrast Check

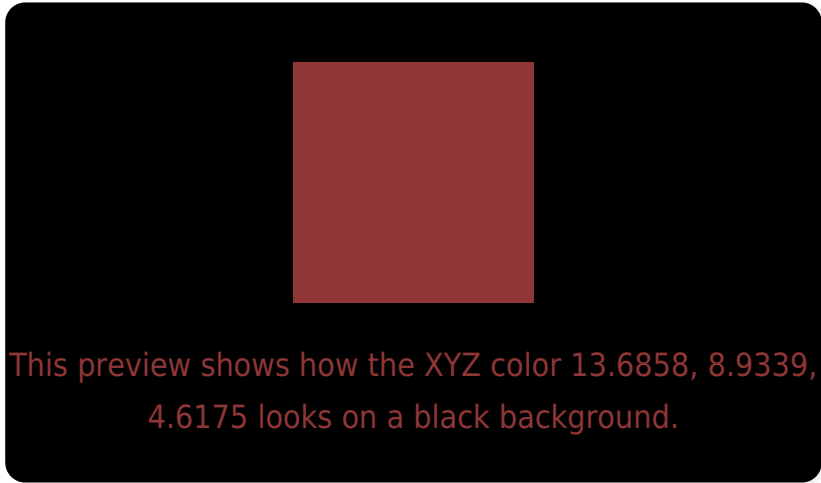
Large Text (above 18pt) WCAG AA ✓ Pass

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

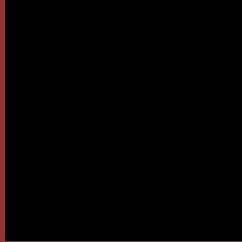
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.6858, 8.9339, 4.6175

Background



This preview shows how black text looks on a background with the XYZ color 13.6858, 8.9339, 4.6175.



This preview shows how white text looks on a background with the XYZ color 13.6858, 8.9339,

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

13.6858, 8.9339, 4.6175

Protanopia

8.6063, 9.1385, 6.7791

Deuteranopia

9.2271, 9.0582, 4.2797



Tritanopia

13.7347, 8.9535, 4.8752

Trichromacy



Original Color

13.6858, 8.9339, 4.6175

Protanomaly

9.9015, 8.6359, 5.8477

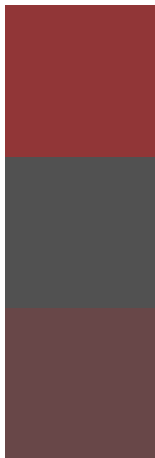
Deuteranomaly

10.4808, 8.6763, 4.3711

Tritanomaly

13.7100, 8.9436, 4.7451

Monochromacy



Original Color

13.6858, 8.9339, 4.6175

Achromatopsia

7.8210, 8.2283, 8.9606

Achromatomaly

9.1319, 7.9174, 7.1778

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.6858, 8.9339, 4.6175 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(145, 54, 55)` looks like.

```
.text, #text, p{  
    color:rgb(145, 54, 55)  
}
```

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(145, 54, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 54, 55) }
```

Border

The CSS property to change the border of an element to XYZ 13.6858, 8.9339, 4.6175 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(145, 54, 55) }
```


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

```
.border{ border-color:rgb(145, 54, 55) }
```

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

Here you see how a box with a 4 pixel rgb(145, 54, 55) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 54, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 54, 55);  
box-shadow:4px 4px 4px 4px rgb(145, 54,  
55) }
```

Background

The CSS property to change the background color of an element to XYZ 13.6858, 8.9339, 4.6175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 54, 55) }
```

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

```
.background{ background-color: rgb(145, 54,  
55) }
```

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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