

Converting Colors

XYZ(15.7965, 9.7303, 8.7811)

Have a look what the booklet for
XYZ(15.7965, 9.7303, 8.7811)
contains.

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Color

**XYZ(15.8059, 9.7340,
8.8304)**

Conversions

Conversions Part 1

Format	Color
Hex	993351
RGB	153, 51, 81
RGB Percent	60%, 20%, 32%
CMY	0.4000, 0.8000, 0.6824
CMYK	0.00, 0.67, 0.47, 0.40
HSL	342°, 50%, 40%
HSV	342°, 67%, 60%
XYZ	15.8059, 9.7340, 8.8304
YIQ	84.9180, 51.1620, 30.9540

Conversions

Conversions Part 2

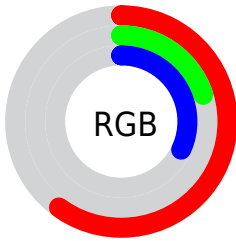
Format	Color
R_{YB}	153, 51, 81
Decimal	10040145
CIE _{Lab}	37.36, 44.95, 5.43
CIE _{LCh}	37, 45.280, 6.888
Yxy	9.7340, 0.4599, 0.2832
Android (android.graphics.Color)	4288230225 (0xFF993351)
YUV	84.9180, -1.9316, 59.7079
Hunter-Lab	31.1994, 35.8310, 5.0586

Details

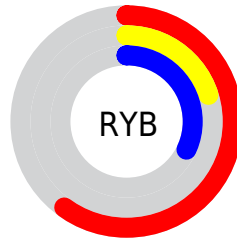
The XYZ color **15.8059, 9.7340, 8.8304** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **16.3322, 24.9166, 22.6891**, and the grayscale version is **8.6143, 9.0629, 9.8695**.

A 20% lighter version of the original color is **35.8435, 25.3612, 24.1251**, and **5.2637, 2.6750, 1.9892** is the 20% darker color. If you saturate the color by 10%, you get **14.8707, 8.4610, 6.6769**, and if you desaturate by 10%, it is **17.0261, 11.4738, 11.3970**.

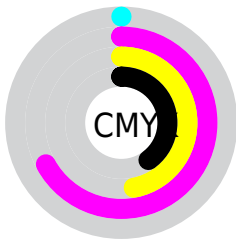
Distribution



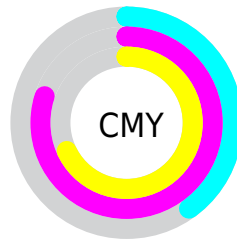
- Red (60%)
- Green (20%)
- Blue (32%)



- Red (60%)
- Yellow (20%)
- Blue (32%)



- Cyan (0%)
- Magenta (67%)
- Yellow (47%)
- Black (40%)





- Cyan (40%)
- Magenta (80%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.8059, 9.7340, 8.8304 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 15.8059, 9.7340, 8.8304 by changing the saturation by 10% instead.


 15.8059, 9.7340,
8.8304


 15.8059, 9.7340,
8.8304


221.4866,
188.7629, 192.2789


 9.4769, 5.2229,
4.5354


 35.8211, 25.2940,
24.1435


 5.1131, 2.3787,
1.9234

 50.2380, 37.1117,
35.9987


 2.3492, 0.8149,
0.5076

 68.0815, 52.1337,
51.2110

 0.8197, 0.0000,
0.0000

 89.7171, 70.7445,
70.1990

 0.0000, 0.0000,
0.0000

 115.5100, 93.3284,
93.3813

 145.8257,

120.2699, 121.1763

181.0294,
151.9532, 154.0027

■ 15.8059, 9.7340,
8.8304

■ 15.8059, 9.7340,
8.8304

■ 14.8707, 8.4610,
6.6769

■ 17.0261, 11.4738,
11.3970

■ 14.1941, 7.6070,
4.9124

■ 18.5527, 13.7189,
14.3975

■ 13.7382, 7.1015,
3.5082

■ 20.4062, 16.5056,
17.8521

■ 13.6104, 6.9617,
3.1085

■ 22.6047, 19.8664,
21.7792

■ 25.1651, 23.8313,
26.1964

■ 28.1032, 28.4281,
31.1201

■ 31.4338, 33.6829,
36.5661

■ 35.1708, 39.6202,
42.5494

■ 39.3277, 46.2635,
49.0845

Harmonies

Analogous

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



15.2424, 9.7340, 18.0043



15.8059, 9.7340, 8.8304



14.3464, 9.7340, 3.7071

Triad

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



15.8059, 9.7340, 8.8304



6.3443, 9.7340, 2.3629



7.2685, 9.7340, 32.4900

Complementary

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



15.8059, 9.7340, 8.8304



16.3322, 24.9166, 22.6891

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.



5.5336, 9.7340, 23.0404



15.8059, 9.7340, 8.8304



5.0813, 9.7340, 5.5664

Square

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



15.8059, 9.7340, 8.8304



8.6119, 9.7340, 1.4174



4.8183, 9.7340, 12.5885



9.9228, 9.7340, 34.9621

Rectangle

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



15.8059, 9.7340, 8.8304



12.5693, 9.7340, 2.1520



4.8183, 9.7340, 12.5885



6.5765, 9.7340, 29.8524

Sweetspot

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



15.8062, 9.7345, 8.8306



43.2789, 39.8994, 43.8578



15.0169, 8.8350, 31.0508



9.2966, 8.4079, 9.2360



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



15.8062, 9.7345, 8.8306



25.9810, 14.3124, 10.3192



16.0136, 11.5695, 4.5217



6.2798, 6.2511, 6.8536



11.2619, 5.7590, 2.6384



0.1829, 0.0919, 0.1158

Inverse Universe

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



15.8062, 9.7345, 8.8306



25.9810, 14.3124, 10.3192



15.4483, 19.6699, 33.1194



6.2798, 6.2511, 6.8536



11.2619, 5.7590, 2.6384



0.1829, 0.0919, 0.1158

Previews

White Background



This preview shows how the XYZ color 15.8059, 9.7340, 8.8304 looks on a white background.

Color Contrast Check

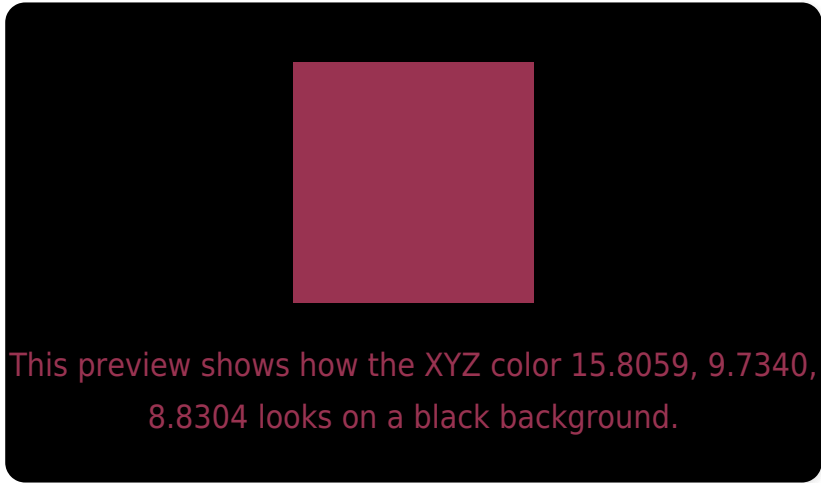
Large Text (above 18pt) WCAG AA ✓ Pass

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

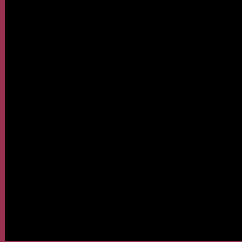
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.8059, 9.7340, 8.8304

Background



This preview shows how black text looks on a background with the XYZ color 15.8059, 9.7340, 8.8304.



This preview shows how white text looks on a background with the XYZ color 15.8059, 9.7340,

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

15.8059, 9.7340, 8.8304

Protanopia

9.8185, 9.9650, 13.9763

Deuteranopia

10.0325, 9.8436, 8.2087



Tritanopia

15.1525, 9.8195, 5.2344

Trichromacy



Original Color

15.8059, 9.7340, 8.8304

Protanomaly

11.0920, 9.2198, 11.7847

Deuteranomaly

11.6428, 9.3801, 8.4046

Tritanomaly

15.2812, 9.7190, 6.3807

Monochromacy



Original Color

15.8059, 9.7340, 8.8304

Achromatopsia

8.6345, 9.0842, 9.8927

Achromatomaly

10.4132, 8.7202, 9.5218

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.8059, 9.7340, 8.8304 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(153, 51, 81)` looks like.

```
.text, #text, p{  
    color:rgb(153, 51, 81)  
}
```

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(153, 51, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 51, 81) }
```

Border

The CSS property to change the border of an element to XYZ 15.8059, 9.7340, 8.8304 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(153, 51, 81) }
```


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

```
.border{ border-color:rgb(153, 51, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 51, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 51, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 51, 81);  
box-shadow:4px 4px 4px 4px rgb(153, 51,  
81) }
```

Background

The CSS property to change the background color of an element to XYZ 15.8059, 9.7340, 8.8304 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 51, 81) }
```

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

```
.background{ background-color: rgb(153, 51,  
81) }
```

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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