

Converting Colors

XYZ(15.6225, 8.8048, 9.9390)

Have a look what the booklet for
XYZ(15.6225, 8.8048, 9.9390)
contains.

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Color

**XYZ(15.6776, 8.8199,
9.8929)**

Conversions

Conversions Part 1

Format	Color
Hex	9A2457
RGB	154, 36, 87
RGB Percent	60%, 14%, 34%
CMY	0.3961, 0.8588, 0.6588
CMYK	0.00, 0.77, 0.44, 0.40
HSL	334°, 62%, 37%
HSV	334°, 77%, 60%
XYZ	15.6776, 8.8199, 9.8929
YIQ	77.0960, 53.9570, 40.8770

Conversions

Conversions Part 2

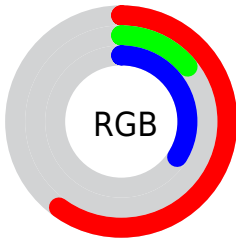
Format	Color
RYB	154, 36, 87
Decimal	10101847
CIELab	35.64, 51.64, -0.89
CIElCh	36, 51.652, 359.017
Yxy	8.8199, 0.4559, 0.2565
Android (android.graphics.Color)	4288291927 (0xFF9A2457)
YUV	77.0960, 4.8827, 67.4448
Hunter-Lab	29.6983, 42.2572, 1.0385

Details

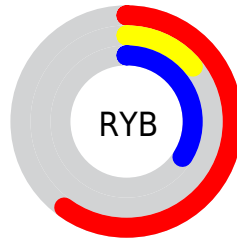
The XYZ color **15.6776, 8.8199, 9.8929** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **14.7320, 24.4658, 16.7800**, and the grayscale version is **7.0568, 7.4243, 8.0850**.

A 20% lighter version of the original color is **35.4939, 23.4575, 26.3239**, and **5.4549, 2.7638, 2.4365** is the 20% darker color. If you saturate the color by 10%, you get **14.9718, 7.9458, 8.0004**, and if you desaturate by 10%, it is **16.6277, 10.1133, 12.0805**.

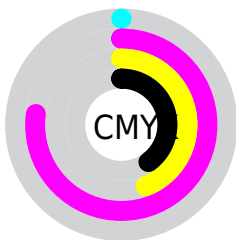
Distribution



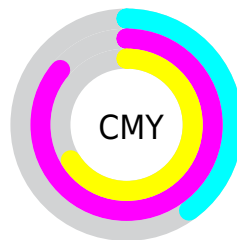
- Red (60%)
- Green (14%)
- Blue (34%)



- Red (60%)
- Yellow (14%)
- Blue (34%)



- Cyan (0%)
- Magenta (77%)
- Yellow (44%)
- Black (40%)




- Cyan (40%)
- Magenta (86%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.6776, 8.8199, 9.8929 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 15.6776, 8.8199, 9.8929 by changing the saturation by 10% instead.


 15.6776, 8.8199,
9.8929


 15.6776, 8.8199,
9.8929


220.7397,
182.0286, 200.3629


 9.3857, 4.6239,
5.2233


 35.5996, 23.5508,
26.1985


 5.0527, 2.0283,
2.3179

 49.9604, 34.8545,
38.6716


 2.3133, 0.6239,
0.7412

 67.7415, 49.2962,
54.5830

 0.8015, 0.0000,
0.0000

 89.3083, 67.2603,
74.3512

 0.0000, 0.0000,
0.0000

 115.0262, 89.1312,
98.3948

 145.2605,

115.2932, 127.1322

180.3765,
146.1309, 160.9821

■ 15.6776, 8.8199,
9.8929

■ 15.6776, 8.8199,
9.8929

■ 14.9718, 7.9458,
8.0004

■ 16.6277, 10.1133,
12.0805

■ 14.4730, 7.4191,
6.3829

■ 17.8458, 11.8710,
14.5782

■ 14.3262, 7.2699,
5.8884

■ 19.3533, 14.1336,
17.4000

■ 21.1691, 16.9369,
20.5589

■ 23.3105, 20.3133,
24.0668

■ 25.7934, 24.2929,
27.9353

■ 28.6328, 28.9033,
32.1751

■ 31.8425, 34.1708,
36.7966

■ 35.4359, 40.1199,
41.8095

Harmonies

Analogous

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



14.4485, 8.8199, 21.0340



15.6776, 8.8199, 9.8929



14.5928, 8.8199, 3.5630

Triad

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



15.6776, 8.8199, 9.8929



5.8587, 8.8199, 1.1482



5.7232, 8.8199, 32.2439

Complementary

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



15.6776, 8.8199, 9.8929



14.7320, 24.4658, 16.7800

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.



4.2449, 8.8199, 20.2076



15.6776, 8.8199, 9.8929



4.3088, 8.8199, 3.3128

Square

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



15.6776, 8.8199, 9.8929



8.4835, 8.8199, 0.6848



3.7968, 8.8199, 9.3195



8.2834, 8.8199, 37.8864

Rectangle

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



15.6776, 8.8199, 9.8929



12.8230, 8.8199, 1.7047



3.7968, 8.8199, 9.3195



5.1083, 8.8199, 28.5557

Sweetspot

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



15.6778, 8.8204, 9.8930



43.7009, 39.0621, 45.8661



12.0425, 6.4712, 31.1862



9.5620, 8.3163, 9.8595



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



15.6778, 8.8204, 9.8930



26.5166, 13.7024, 12.3645



14.5410, 8.7895, 2.5999



6.3141, 6.2648, 7.0341



11.6893, 5.9299, 4.8887



0.1925, 0.0958, 0.1666

Inverse Universe

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



15.6778, 8.8204, 9.8930



26.5166, 13.7024, 12.3645



16.8601, 23.3074, 34.1820



6.3141, 6.2648, 7.0341



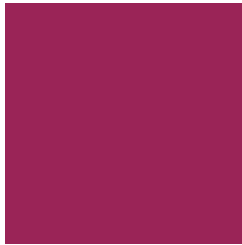
11.6893, 5.9299, 4.8887



0.1925, 0.0958, 0.1666

Previews

White Background



This preview shows how the XYZ color 15.6776, 8.8199, 9.8929 looks on a white background.

Color Contrast Check

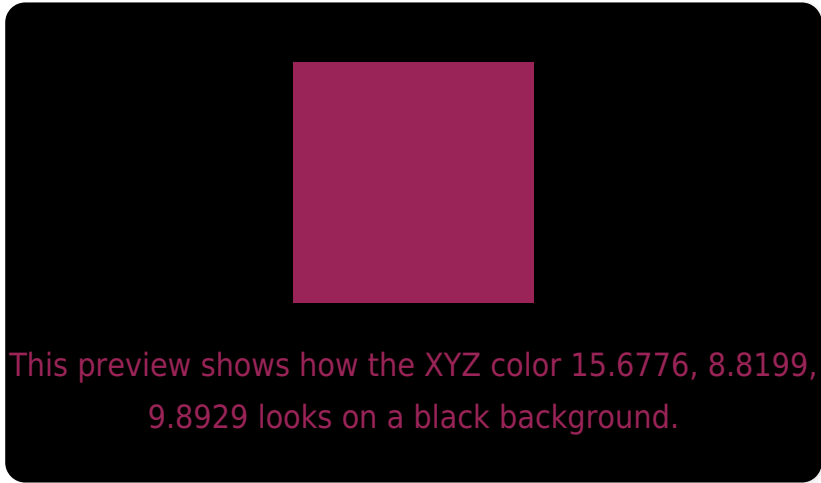
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.6776, 8.8199, 9.8929

Background



This preview shows how black text looks on a background with the XYZ color 15.6776, 8.8199, 9.8929.



This preview shows how white text looks on a background with the XYZ color 15.6776, 8.8199,

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

15.6776, 8.8199, 9.8929

Protanopia

9.3032, 9.1381, 17.7965

Deuteranopia

9.2218, 9.0616, 9.0476



Tritanopia

14.4803, 8.8511, 3.8510

Trichromacy



Original Color

15.6776, 8.8199, 9.8929

Protanomaly

10.2659, 7.9773, 14.3633

Deuteranomaly

10.6541, 8.1181, 9.1890

Tritanomaly

14.8620, 8.7871, 5.6154

Monochromacy



Original Color

15.6776, 8.8199, 9.8929

Achromatopsia

7.0540, 7.4214, 8.0819

Achromatomaly

9.0335, 7.0426, 8.6678

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.6776, 8.8199, 9.8929 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(154, 36, 87)` looks like.

```
.text, #text, p{  
    color:rgb(154, 36, 87)  
}
```

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(154, 36, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 36, 87) }
```

Border

The CSS property to change the border of an element to XYZ 15.6776, 8.8199, 9.8929 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(154, 36, 87) }
```


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

```
.border{ border-color:rgb(154, 36, 87) }
```

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

Here you see how a box with a 4 pixel rgb(154, 36, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 36, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 36, 87);  
box-shadow:4px 4px 4px 4px rgb(154, 36,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 15.6776, 8.8199, 9.8929 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 36, 87) }
```

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

```
.background{ background-color: rgb(154, 36,  
87) }
```

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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