

Converting Colors

XYZ(18.0939, 12.3707, 10.8853)

Have a look what the booklet for
XYZ(18.0939, 12.3707, 10.8853)
contains.

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Color

**XYZ(18.0939, 12.3707,
10.8853)**

Conversions

Conversions Part 1

Format	Color
Hex	9E4659
RGB	158, 70, 89
RGB Percent	62%, 27%, 35%
CMY	0.3804, 0.7255, 0.6510
CMYK	0.00, 0.56, 0.44, 0.38
HSL	347°, 39%, 45%
HSV	347°, 56%, 62%
XYZ	18.0939, 12.3707, 10.8853
YIQ	98.4780, 46.3490, 24.5650

Conversions

Conversions Part 2

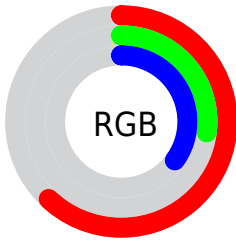
Format	Color
RYB	158, 70, 89
Decimal	10372697
CIELab	41.80, 38.50, 6.83
CIELCh	42, 39.097, 10.062
Yxy	12.3707, 0.4376, 0.2992
Android (android.graphics.Color)	4288562777 (0xFF9E4659)
YUV	98.4780, -4.6727, 52.2008
Hunter-Lab	35.1720, 30.2766, 6.2709

Details

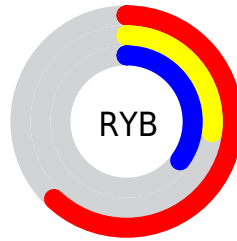
The XYZ color **18.0939, 12.3707, 10.8853** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **19.4136, 27.6202, 28.7360**, and the grayscale version is **11.7323, 12.3433, 13.4419**.

A 20% lighter version of the original color is **39.8165, 30.1378, 28.1447**, and **6.2486, 3.4663, 2.7226** is the 20% darker color. If you saturate the color by 10%, you get **16.7551, 10.4569, 8.0847**, and if you desaturate by 10%, it is **19.7809, 14.8409, 14.2343**.

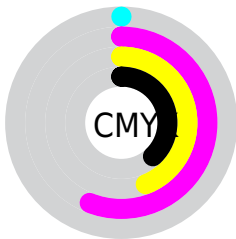
Distribution



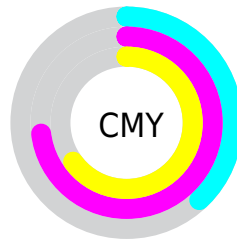
- Red (62%)
- Green (27%)
- Blue (35%)



- Red (62%)
- Yellow (27%)
- Blue (35%)



- Cyan (0%)
- Magenta (56%)
- Yellow (44%)
- Black (38%)



- Cyan (38%)
- Magenta (73%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.0939, 12.3707, 10.8853 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 18.0939, 12.3707, 10.8853 by changing the saturation by 10% instead.

■ 18.0939, 12.3707,
10.8853

■ 18.0939, 12.3707,
10.8853

234.4351,
206.8442, 207.5881

■ 11.1175, 6.9967,
5.8766

■ 39.7261, 30.1685,
28.0813

■ 6.2138, 3.4600,
2.7026

■ 55.1126, 43.3610,
41.1056

■ 3.0174, 1.3763,
0.9447

■ 74.0332, 59.9285,
57.6388

■ 1.1630, 0.1992,
0.0000

■ 96.8533, 80.2554,
78.0996

■ 0.0768, 0.0000,
0.0000

■ 123.9382,
104.7260, 102.9063

■ 0.0000, 0.0000,
0.0000

155.6532,

133.7247, 132.4776

192.3637,
167.6360, 167.2320

■ 18.0939, 12.3707,
10.8853

■ 18.0939, 12.3707,
10.8853

■ 16.7551, 10.4569,
8.0847

■ 19.7809, 14.8409,
14.2343

■ 15.7384, 9.0541,
5.8018

■ 21.8379, 17.9043,
18.1586

■ 15.0152, 8.1128,
4.0036

■ 24.2859, 21.5970,
22.6843

■ 14.5480, 7.5663,
2.6519

■ 27.1441, 25.9516,
27.8355

■ 14.3908, 7.3852,
2.1885

■ 30.4304, 30.9983,
33.6350

■ 34.1616, 36.7656,
40.1044

■ 38.3536, 43.2803,
47.2645

■ 43.0215, 50.5678,
55.1349

■ 48.1797, 58.6525,
63.7347

Harmonies

Analogous

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



17.7671, 12.3707, 19.6311



18.0939, 12.3707, 10.8853



16.5238, 12.3707, 5.6257

Triad

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



18.0939, 12.3707, 10.8853



8.5430, 12.3707, 4.6148



9.9696, 12.3707, 34.5448

Complementary

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



18.0939, 12.3707, 10.8853



19.4136, 27.6202, 28.7360

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.



8.0099, 12.3707, 26.4663



18.0939, 12.3707, 10.8853



7.2842, 12.3707, 8.7546

Square

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



18.0939, 12.3707, 10.8853



10.8171, 12.3707, 3.1135



7.1064, 12.3707, 16.4336



12.7519, 12.3707, 35.8852

Rectangle

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



18.0939, 12.3707, 10.8853



14.7425, 12.3707, 3.8729



7.1064, 12.3707, 16.4336



9.2061, 12.3707, 32.4074

Sweetspot

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



18.0942, 12.3713, 10.8855



48.3904, 45.7470, 48.9361



18.9986, 12.3329, 33.7269



10.6833, 9.9681, 10.6269



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



18.0942, 12.3713, 10.8855



29.8897, 18.2370, 13.5087



19.2927, 15.8844, 7.8444



6.6888, 6.6684, 7.2121



11.5381, 5.9198, 1.8188



0.2200, 0.1113, 0.1047

Inverse Universe

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



18.0942, 12.3713, 10.8855



29.8897, 18.2370, 13.5087



17.0946, 20.5646, 35.4161



6.6888, 6.6684, 7.2121



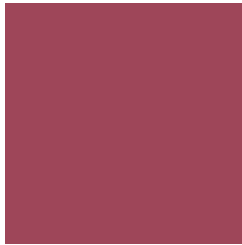
11.5381, 5.9198, 1.8188



0.2200, 0.1113, 0.1047

Previews

White Background



This preview shows how the XYZ color 18.0939, 12.3707, 10.8853 looks on a white background.

Color Contrast Check

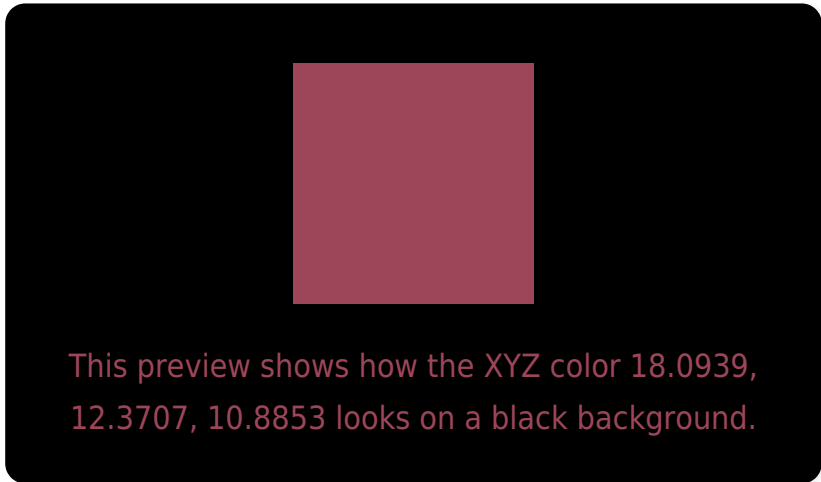
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 18.0939, 12.3707, 10.8853

Background



This preview shows how black text looks on a background with the XYZ color 18.0939, 12.3707, 10.8853.



This preview shows how white text looks on a background with the XYZ color 18.0939, 12.3707,

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

18.0939, 12.3707, 10.8853

Protanopia

12.1572, 12.5963, 15.1552

Deuteranopia

12.7620, 12.5990, 10.3536



Tritanopia

17.5615, 12.3387, 8.4772

Trichromacy



Original Color

18.0939, 12.3707, 10.8853

Protanomaly

13.4876, 11.8734, 13.3853

Deuteranomaly

14.2938, 12.2341, 10.4121

Tritanomaly

17.6431, 12.2687, 9.2228

Monochromacy



Original Color

18.0939, 12.3707, 10.8853

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

13.3010, 11.7987, 12.4028

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.0939, 12.3707, 10.8853 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(158, 70, 89)` looks like.

```
.text, #text, p{  
  color:rgb(158, 70, 89)  
}
```

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(158, 70, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 70, 89) }
```

Border

The CSS property to change the border of an element to XYZ 18.0939, 12.3707, 10.8853 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(158, 70, 89) }
```


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

```
.border{ border-color:rgb(158, 70, 89) }
```

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

Here you see how a box with a 4 pixel rgb(158, 70, 89) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 70, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 70, 89);  
box-shadow:4px 4px 4px 4px rgb(158, 70,  
89) }
```

Background

The CSS property to change the background color of an element to XYZ 18.0939, 12.3707, 10.8853 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 70, 89) }
```

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

```
.background{ background-color: rgb(158, 70,  
89) }
```

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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