

Converting Colors

XYZ(13.2295, 6.2359, 6.7898)

Have a look what the booklet for
XYZ(13.2295, 6.2359, 6.7898)
contains.

XYZ(13.5970, 6.8706, 6.9128)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(13.5970, 6.8706,
6.9128)**

Conversions

Conversions Part 1

Format	Color
Hex	950049
RGB	149, 0, 73
RGB Percent	58%, 0%, 29%
CMY	0.4157, 0.9999, 0.7137
CMYK	0.00, 1.00, 0.51, 0.42
HSL	331°, 100%, 29%
HSV	331°, 100%, 58%
XYZ	13.5970, 6.8706, 6.9128
YIQ	52.8730, 65.3710, 54.2910

Conversions

Conversions Part 2

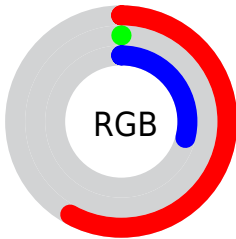
Format	Color
RYB	149, 0, 73
Decimal	9764937
CIELab	31.51, 56.71, 2.13
CIElCh	32, 56.753, 2.149
Yxy	6.8706, 0.4966, 0.2509
Android (android.graphics.Color)	4287955017 (0xFF950049)
YUV	52.8730, 9.9226, 84.3034
Hunter-Lab	26.2118, 46.7235, 2.7118

Details

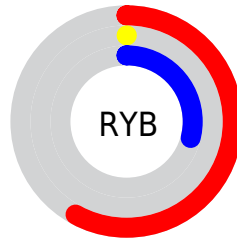
The XYZ color **13.5970, 6.8706, 6.9128** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **12.0529, 22.0170, 10.4556**, and the grayscale version is **3.3527, 3.5273, 3.8413**.

A 20% lighter version of the original color is **31.9124, 19.6879, 20.2073**, and **4.6480, 2.3690, 1.4406** is the 20% darker color. If you saturate the color by 10%, you get **13.5966, 6.8704, 6.9110**, and if you desaturate by 10%, it is **14.0343, 7.3170, 8.3790**.

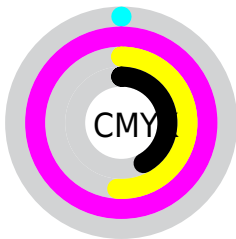
Distribution



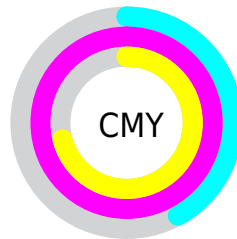
- Red (58%)
- Green (0%)
- Blue (29%)



- Red (58%)
- Yellow (0%)
- Blue (29%)



- Cyan (0%)
- Magenta (100%)
- Yellow (51%)
- Black (42%)




- Cyan (42%)
- Magenta (100%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.5970, 6.8706, 6.9128 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 13.5970, 6.8706, 6.9128 by changing the saturation by 10% instead.


 13.5970, 6.8706,
6.9128


 13.5970, 6.8706,
6.9128


208.2703,
166.5841, 176.5405


 7.9207, 3.3813,
3.3300


 31.9645, 19.7124,
20.3074


 4.0956, 1.3339,
1.2655

 45.3865, 29.8337,
30.9564


 1.7564, 0.1672,
0.0333

 62.1210, 42.9345,
44.7978

 0.4912, 0.0000,
0.0000


 82.5335, 59.3991,
62.2502


 0.0000, 0.0000,
0.0000


 106.9894, 79.6120,
83.7321


 135.8539,

103.9575, 109.6621

 169.4924,
132.8201, 140.4587

 13.5970, 6.8706,
6.9128


 13.5970, 6.8706,
6.9128

 13.5966, 6.8704,
6.9110

 14.0343, 7.3170,
8.3790

 14.6239, 8.0169,
10.0531

 15.4244, 9.0859,
11.9596

 16.4589, 10.5690,
14.1111

 17.7475, 12.5047,
16.5186

■ 19.3080, 14.9269,
19.1925

■ 21.1562, 17.8664,
22.1423

■ 23.3071, 21.3515,
25.3770

■ 25.7743, 25.4082,
28.9050

Harmonies

Analogous

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



12.6030, 6.8706, 17.3498



13.5970, 6.8706, 6.9128



12.2900, 6.8706, 1.8824

Triad

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



13.5970, 6.8706, 6.9128



4.0463, 6.8706, 0.4389



4.3081, 6.8706, 31.3704

Complementary

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



13.5970, 6.8706, 6.9128



12.0529, 22.0170, 10.4556

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.



2.9277, 6.8706, 19.1803



13.5970, 6.8706, 6.9128



2.8101, 6.8706, 2.3143

Square

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



13.5970, 6.8706, 6.9128



6.3288, 6.8706, 0.0000



2.4686, 6.8706, 8.0793



6.7360, 6.8706, 36.2596

Rectangle

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



13.5970, 6.8706, 6.9128



10.4604, 6.8706, 0.6653



2.4686, 6.8706, 8.0793



3.7333, 6.8706, 27.7003

Sweetspot

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



13.5972, 6.8710, 6.9129



37.6667, 31.6410, 39.3107



8.2885, 3.6465, 28.7006



8.0577, 6.5489, 8.2565



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



13.5972, 6.8710, 6.9129



24.2595, 12.2679, 11.9005



12.3947, 6.3900, 0.5807



5.9121, 5.8599, 6.6433



11.4585, 5.7884, 5.8953



0.1551, 0.0768, 0.1501

Inverse Universe

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



13.5972, 6.8710, 6.9129



24.2595, 12.2679, 11.9005



16.1724, 23.6648, 32.1490



5.9121, 5.8599, 6.6433



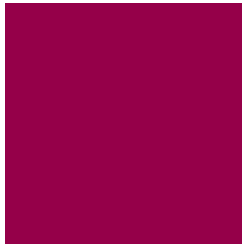
11.4585, 5.7884, 5.8953



0.1551, 0.0768, 0.1501

Previews

White Background



This preview shows how the XYZ color 13.5970, 6.8706, 6.9128 looks on a white background.

Color Contrast Check

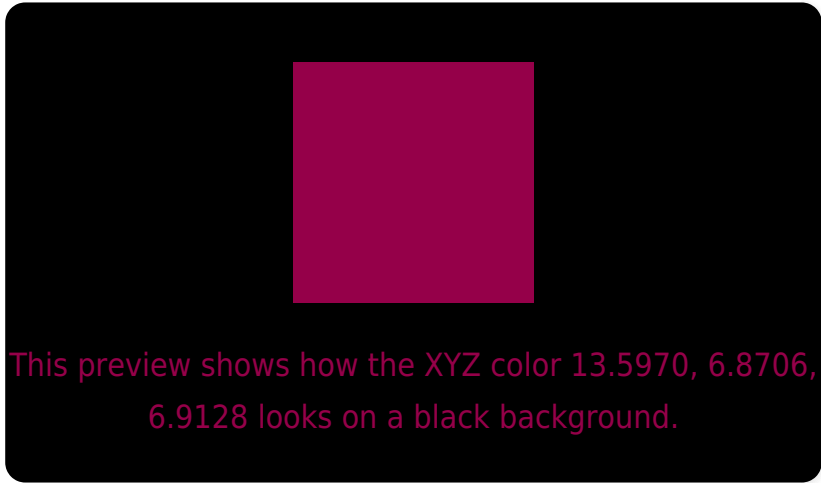
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.5970, 6.8706, 6.9128

Background



This preview shows how black text looks on a background with the XYZ color 13.5970, 6.8706, 6.9128.



This preview shows how white text looks on a background with the XYZ color 13.5970, 6.8706,

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

13.5970, 6.8706, 6.9128

Protanopia

7.6402, 7.4747, 14.6757

Deuteranopia

7.6490, 7.5612, 6.3665



Tritanopia

12.6938, 7.1705, 1.8774

Trichromacy



Original Color

13.5970, 6.8706, 6.9128

Protanomaly

8.1143, 5.5187, 11.2272

Deuteranomaly

8.6867, 5.9231, 6.3157

Tritanomaly

12.9027, 6.9180, 3.1379

Monochromacy



Original Color

13.5970, 6.8706, 6.9128

Achromatopsia

3.3839, 3.5601, 3.8770

Achromatomaly

5.4121, 3.5450, 4.6740

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.5970, 6.8706, 6.9128 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(149, 0, 73)` looks like.

```
.text, #text, p{  
    color:rgb(149, 0, 73)  
}
```

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(149, 0, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 0, 73) }
```

Border

The CSS property to change the border of an element to XYZ 13.5970, 6.8706, 6.9128 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(149, 0, 73) }
```


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

```
.border{ border-color:rgb(149, 0, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 0, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 0, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 0, 73);  
box-shadow:4px 4px 4px 4px rgb(149, 0, 73)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.5970, 6.8706, 6.9128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 0, 73) }
```

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

```
.background{ background-color: rgb(149, 0,  
73) }
```

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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