

Converting Colors

XYZ(13.6882, 6.8840, 8.4353)

Have a look what the booklet for
XYZ(13.6882, 6.8840, 8.4353)
contains.

XYZ(13.6979, 6.8900, 8.3925)	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(13.6979, 6.8900,
8.3925)**

Conversions

Conversions Part 1

Format	Color
Hex	940051
RGB	148, 0, 81
RGB Percent	58%, 0%, 32%
CMY	0.4196, 0.9999, 0.6824
CMYK	0.00, 1.00, 0.45, 0.42
HSL	327°, 100%, 29%
HSV	327°, 100%, 58%
XYZ	13.6979, 6.8900, 8.3925
YIQ	53.4860, 62.2070, 56.5670

Conversions

Conversions Part 2

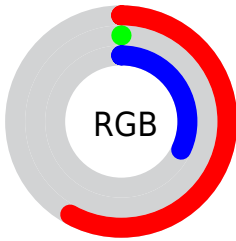
Format	Color
R_{YB}	148, 0, 81
Decimal	9699409
CIE _{Lab}	31.56, 57.17, -3.12
CIE _{LCh}	32, 57.251, 356.872
Yxy	6.8900, 0.4727, 0.2377
Android (android.graphics.Color)	4287889489 (0xFF940051)
YUV	53.4860, 13.5644, 82.8888
Hunter-Lab	26.2488, 47.2145, -0.5826

Details

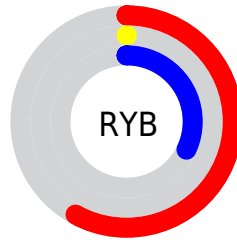
The XYZ color **13.6979, 6.8900, 8.3925** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **11.6038, 21.5853, 8.8683**, and the grayscale version is **3.4231, 3.6014, 3.9219**.

A 20% lighter version of the original color is **32.2102, 19.7747, 23.2383**, and **4.6483, 2.3577, 1.9604** is the 20% darker color. If you saturate the color by 10%, you get **13.6975, 6.8898, 8.3906**, and if you desaturate by 10%, it is **14.1301, 7.3321, 9.8382**.

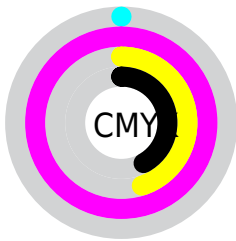
Distribution



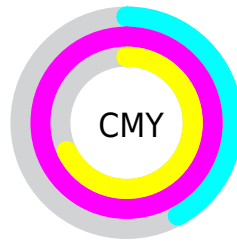
- Red (58%)
- Green (0%)
- Blue (32%)



- Red (58%)
- Yellow (0%)
- Blue (32%)



- Cyan (0%)
- Magenta (100%)
- Yellow (45%)
- Black (42%)



- Cyan (42%)
- Magenta (100%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.6979, 6.8900, 8.3925 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 13.6979, 6.8900, 8.3925 by changing the saturation by 10% instead.

13.6979, 6.8900,
8.3925

13.6979, 6.8900,
8.3925

208.8917,
166.7465, 188.8270

7.9911, 3.3934,
4.2558

32.1428, 19.7516,
23.2831

4.1410, 1.3404,
1.7667

45.6116, 29.8853,
34.8741

1.7822, 0.1722,
0.4058

62.3986, 43.0003,
49.7869

0.5069, 0.0000,
0.0000


82.8689, 59.4808,
68.4400


0.0000, 0.0000,
0.0000


107.3880, 79.7113,
91.2521


136.3213,


104.0762, 118.6416

 170.0341,
132.9598, 151.0270


 13.6979, 6.8900,
8.3925


 13.6979, 6.8900,
8.3925


 13.6975, 6.8898,
8.3906

 14.1301, 7.3321,
9.8382

 14.7059, 8.0207,
11.4576

 15.4831, 9.0704,
13.2731

 16.4844, 10.5251,
15.2954

 17.7289, 12.4227,
17.5340

■ 19.2340, 14.7964,
19.9976

■ 21.0151, 17.6765,
22.6941

■ 23.0864, 21.0904,
25.6311

■ 25.4612, 25.0638,
28.8156

Harmonies

Analogous

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



12.3027, 6.8900, 19.7846



13.6979, 6.8900, 8.3925



12.7642, 6.8900, 2.4048

Triad

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



13.6979, 6.8900, 8.3925



4.3684, 6.8900, 0.2333



3.9844, 6.8900, 29.8586

Complementary

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



13.6979, 6.8900, 8.3925



11.6038, 21.5853, 8.8683

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.



2.7722, 6.8900, 17.0831



13.6979, 6.8900, 8.3925



2.9445, 6.8900, 1.7741

Square

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



13.6979, 6.8900, 8.3925



6.8527, 6.8900, 0.0000



2.4557, 6.8900, 6.6769



6.2539, 6.8900, 36.6768

Rectangle

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



13.6979, 6.8900, 8.3925



11.0618, 6.8900, 0.8824



2.4557, 6.8900, 6.6769



3.4682, 6.8900, 25.8092

Sweetspot

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



13.6981, 6.8904, 8.3926



36.8730, 30.8510, 39.7389



7.6337, 3.3182, 28.2549



8.1318, 6.5786, 8.6466



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.



13.6981, 6.8904, 8.3926



24.0811, 12.1217, 14.3432



12.2535, 6.3126, 0.7857



5.9256, 5.8653, 6.7143



11.7138, 5.8906, 7.2399



0.1583, 0.0781, 0.1670

Inverse Universe

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



13.6981, 6.8904, 8.3926



24.0811, 12.1217, 14.3432



15.3681, 23.0910, 28.6908



5.9256, 5.8653, 6.7143



11.7138, 5.8906, 7.2399



0.1583, 0.0781, 0.1670

Previews

White Background



This preview shows how the XYZ color 13.6979, 6.8900, 8.3925 looks on a white background.

Color Contrast Check

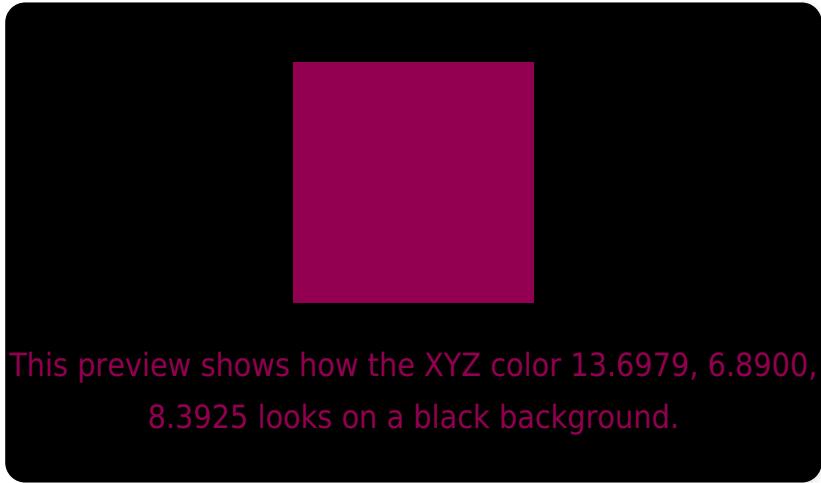
Large Text (above 18pt) WCAG AA ✓ Pass

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

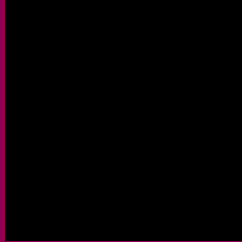
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.6979, 6.8900, 8.3925

Background



This preview shows how black text looks on a background with the XYZ color 13.6979, 6.8900, 8.3925.



This preview shows how white text looks on a background with the XYZ color 13.6979, 6.8900,

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

13.6979, 6.8900, 8.3925

Protanopia

7.9097, 7.5432, 17.8687

Deuteranopia

7.6238, 7.5186, 7.7060



Tritanopia

12.6451, 7.2538, 2.1725

Trichromacy



Original Color

13.6979, 6.8900, 8.3925

Protanomaly

8.2750, 5.5463, 13.7311

Deuteranomaly

8.7032, 5.9009, 7.7015

Tritanomaly

12.8585, 6.9336, 3.6782

Monochromacy



Original Color

13.6979, 6.8900, 8.3925

Achromatopsia

3.3839, 3.5601, 3.8770

Achromatomaly

5.4937, 3.5776, 5.1036

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.6979, 6.8900, 8.3925 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(148, 0, 81)` looks like.

```
.text, #text, p{  
  color:rgb(148, 0, 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(148, 0, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 0, 81) }
```

Border

The CSS property to change the border of an element to XYZ 13.6979, 6.8900, 8.3925 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(148, 0, 81) }
```


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

```
.border{ border-color:rgb(148, 0, 81) }
```

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

Here you see how a box with a 4 pixel rgb(148, 0, 81) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 0, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 0, 81);  
box-shadow:4px 4px 4px 4px rgb(148, 0, 81)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.6979, 6.8900, 8.3925 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 0, 81) }
```

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

```
.background{ background-color: rgb(148, 0,  
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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