

Converting Colors

XYZ(13.8490, 9.1278, 13.1730)

Have a look what the booklet for
XYZ(13.8490, 9.1278, 13.1730)
contains.

XYZ(13.8050, 9.0971, 13.0849)	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(13.8050, 9.0971,
13.0849)**

Conversions

Conversions Part 1

Format	Color
Hex	873A64
RGB	135, 58, 100
RGB Percent	53%, 23%, 39%
CMY	0.4706, 0.7725, 0.6078
CMYK	0.00, 0.57, 0.26, 0.47
HSL	327°, 40%, 38%
HSV	327°, 57%, 53%
XYZ	13.8050, 9.0971, 13.0849
YIQ	85.8110, 32.4100, 29.3860

Conversions

Conversions Part 2

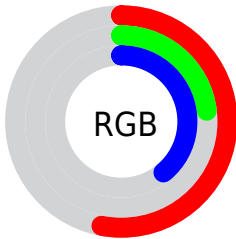
Format	Color
R_{YB}	135, 58, 100
Decimal	8862308
CIE Lab	36.17, 37.95, -8.75
CIE LCh	36, 38.948, 347.022
Yxy	9.0971, 0.3836, 0.2528
Android (android.graphics.Color)	4287052388 (0xFF873A64)
YUV	85.8110, 6.9952, 43.1388
Hunter-Lab	30.1614, 28.9178, -4.6088

Details

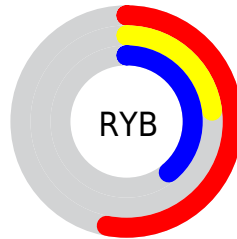
The XYZ color **13.8050, 9.0971, 13.0849** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **12.3852, 19.0181, 13.3750**, and the grayscale version is **8.7865, 9.2441, 10.0668**.

A 20% lighter version of the original color is **32.2898, 24.1188, 32.2317**, and **4.1548, 2.1160, 3.5576** is the 20% darker color. If you saturate the color by 10%, you get **12.9256, 7.7958, 11.3811**, and if you desaturate by 10%, it is **14.8858, 10.7653, 14.9664**.

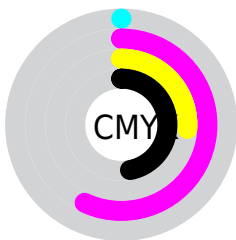
Distribution



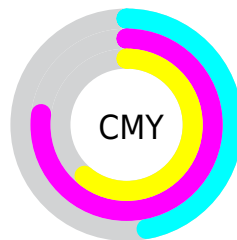
- Red (53%)
- Green (23%)
- Blue (39%)



- Red (53%)
- Yellow (23%)
- Blue (39%)



- Cyan (0%)
- Magenta (57%)
- Yellow (26%)
- Black (47%)




- Cyan (47%)
- Magenta (77%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.8050, 9.0971, 13.0849 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 13.8050, 9.0971, 13.0849 by changing the saturation by 10% instead.


 13.8050, 9.0971,
13.0849


 13.8050, 9.0971,
13.0849


209.5493,
184.1006, 222.6880


 8.0660, 4.8046,
7.3556


 32.3318, 24.0828,
32.1496

 4.1893, 2.1331,
3.6037

 45.8503, 35.5447,
46.3222


 1.8098, 0.6831,
1.4105

 62.6926, 50.1652,
64.1462

 0.5236, 0.0000,
0.1499

 83.2241, 68.3288,
86.0403

 0.0000, 0.0000,
0.0000

 107.8102, 90.4197,
112.4230

 136.8162,

116.8223, 143.7128

170.6074,
147.9212, 180.3283

■ 13.8050, 9.0971,
13.0849

■ 13.8050, 9.0971,
13.0849

■ 12.9256, 7.7958,
11.3811

■ 14.8858, 10.7653,
14.9664

■ 12.2320, 6.8312,
9.8472

■ 16.1805, 12.8245,
17.0318

■ 11.7075, 6.1706,
8.4751

■ 17.7012, 15.2987,
19.2877

■ 11.3208, 5.7521,
7.2519

■ 19.4592, 18.2093,
21.7398

■ 11.2155, 5.6404,
6.9116

■ 21.4647, 21.5763,
24.3939

■ 23.7275, 25.4184,
27.2551

■ 26.2567, 29.7533,
30.3287

■ 29.0611, 34.5979,
33.6194

■ 32.1489, 39.9680,
37.1321

Harmonies

Analogous

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



12.3676, 9.0971, 21.5208



13.8050, 9.0971, 13.0849



13.6932, 9.0971, 6.5958

Triad

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



13.8050, 9.0971, 13.0849



7.3969, 9.0971, 1.9929



5.9311, 9.0971, 22.6159

Complementary

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



13.8050, 9.0971, 13.0849



12.3852, 19.0181, 13.3750

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.



5.0228, 9.0971, 14.1695



13.8050, 9.0971, 13.0849



5.7585, 9.0971, 3.4681

Square

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



13.8050, 9.0971, 13.0849



9.6952, 9.0971, 1.9133



4.9659, 9.0971, 7.2875



7.6763, 9.0971, 28.4780

Rectangle

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



13.8050, 9.0971, 13.0849



12.7525, 9.0971, 4.0021



4.9659, 9.0971, 7.2875



5.5326, 9.0971, 19.8481

Sweetspot

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



13.8053, 9.0976, 13.0851



34.7311, 32.4151, 38.7735



10.3656, 7.0849, 23.7430



7.9129, 7.2899, 8.8014



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



13.8053, 9.0976, 13.0851



22.8080, 13.4765, 19.6698



12.3705, 8.5236, 5.5296



4.7709, 4.7280, 5.4058



10.3488, 5.2039, 6.4091



0.0395, 0.0195, 0.0416

Inverse Universe

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



13.8053, 9.0976, 13.0851



22.8080, 13.4765, 19.6698



14.5161, 19.8705, 24.5966



4.7709, 4.7280, 5.4058



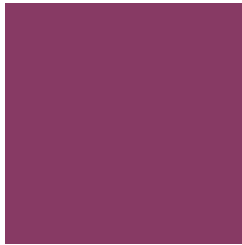
10.3488, 5.2039, 6.4091



0.0395, 0.0195, 0.0416

Previews

White Background



This preview shows how the XYZ color 13.8050, 9.0971, 13.0849 looks on a white background.

Color Contrast Check

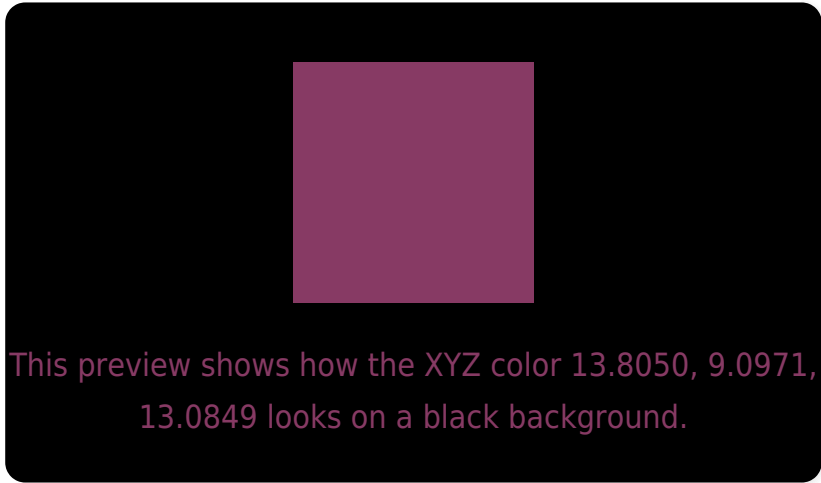
Large Text (above 18pt) WCAG AA ✓ Pass

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

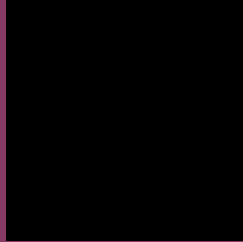
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.8050, 9.0971, 13.0849

Background



This preview shows how black text looks on a background with the XYZ color 13.8050, 9.0971, 13.0849.

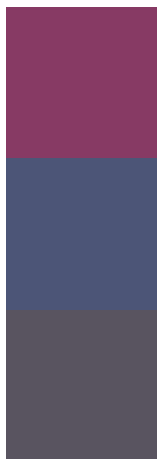


This preview shows how white text looks on a background with the XYZ color 13.8050, 9.0971,

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

13.8050, 9.0971, 13.0849

Protanopia

9.5588, 9.3654, 18.7567

Deuteranopia

9.4015, 9.3090, 12.3676



Tritanopia

12.4802, 9.1158, 6.7320

Trichromacy



Original Color

13.8050, 9.0971, 13.0849

Protanomaly

10.3705, 8.7434, 16.4703

Deuteranomaly

10.6176, 8.9594, 12.4790

Tritanomaly

12.8435, 9.0110, 8.6518

Monochromacy



Original Color

13.8050, 9.0971, 13.0849

Achromatopsia

8.8453, 9.3059, 10.1341

Achromatomaly

10.1817, 8.8673, 11.0725

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.8050, 9.0971, 13.0849 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(135, 58, 100)` looks like.

```
.text, #text, p{  
    color:rgb(135, 58, 100)  
}
```

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(135, 58, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 58, 100) }
```

Border

The CSS property to change the border of an element to XYZ 13.8050, 9.0971, 13.0849 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(135, 58, 100) }
```


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

```
.border{ border-color:rgb(135, 58, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 58, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 58, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 58, 100);  
box-shadow:4px 4px 4px 4px rgb(135, 58,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 13.8050, 9.0971, 13.0849 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 58, 100) }
```

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

```
.background{ background-color: rgb(135, 58,  
100) }
```

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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