

Converting Colors

XYZ(13.9436, 6.7825, 18.9820)

Have a look what the booklet for
XYZ(13.9436, 6.7825, 18.9820)
contains.

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Color

**XYZ(13.9941, 6.8084,
18.9889)**

Conversions

Conversions Part 1

Format	Color
Hex	8A007A
RGB	138, 0, 122
RGB Percent	54%, 0%, 48%
CMY	0.4588, 1.0000, 0.5216
CMYK	0.00, 1.00, 0.12, 0.46
HSL	307°, 100%, 27%
HSV	307°, 100%, 54%
XYZ	13.9941, 6.8084, 18.9889
YIQ	55.1700, 43.0860, 67.1980

Conversions

Conversions Part 2

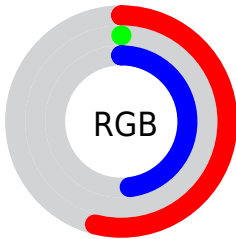
Format	Color
R _Y B	138, 0, 122
Decimal	9044090
CIE Lab	31.37, 59.85, -30.07
CIE LCh	31, 66.985, 333.323
Yxy	6.8084, 0.3517, 0.1711
Android (android.graphics.Color)	4287234170 (0xFF8A007A)
YUV	55.1700, 32.9472, 72.6419
Hunter-Lab	26.0929, 50.0702, -24.8828

Details

The XYZ color **13.9941, 6.8084, 18.9889** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **9.1824, 18.2147, 3.5225**, and the grayscale version is **3.6095, 3.7975, 4.1355**.

A 20% lighter version of the original color is **32.6923, 19.5948, 42.6165**, and **4.7699, 2.3200, 6.4997** is the 20% darker color. If you saturate the color by 10%, you get **13.9941, 6.8085, 18.9885**, and if you desaturate by 10%, it is **14.2487, 7.1575, 19.5671**.

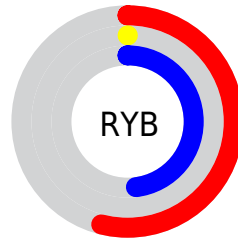
Distribution



Red (54%)

Green (0%)

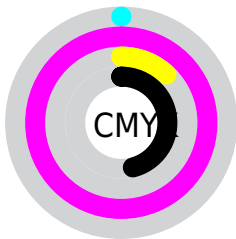
Blue (48%)



Red (54%)

Yellow (0%)

Blue (48%)

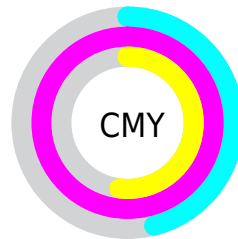


Cyan (0%)

Magenta (100%)

Yellow (12%)

Black (46%)



Cyan (46%)


Magenta (100%)


Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.9941, 6.8084, 18.9889 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 13.9941, 6.8084, 18.9889 by changing the saturation by 10% instead.


 13.9941, 6.8084,
18.9889


 13.9941, 6.8084,
18.9889


210.7055,
166.0620, 258.8082


 8.1982, 3.3426,
11.4855

 32.6649, 19.5867,
42.5518

 4.2749, 1.3131,
6.2761

 46.2706, 29.6680,
59.4484

 1.8588, 0.1513,
2.9422

 63.2102, 42.7232,
80.3131

 0.5527, 0.0000,
1.0652


 83.8492, 59.1367,
105.5646


 0.0000, 0.0000,
0.0000


 108.5528, 79.2930,
135.6213

 137.6865,


103.5763, 170.9017


 171.6156,
132.3712, 211.8245

 13.9941, 6.8084,
18.9889

 13.9941, 6.8084,
18.9889


 13.9941, 6.8085,
18.9885

 14.2487, 7.1575,
19.5671

 14.6020, 7.7014,
20.1862

 15.1064, 8.5450,
20.8638

 15.7804, 9.7250,
21.6061

 16.6396, 11.2728,
22.4184

■ 17.6979, 13.2162,
23.3052

■ 18.9679, 15.5803,
24.2710

■ 20.4611, 18.3881,
25.3194

■ 22.1882, 21.6610,
26.4542

Harmonies

Analogous

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



10.6388, 6.8084, 35.4887



13.9941, 6.8084, 18.9889



15.1399, 6.8084, 6.4053

Triad

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



13.9941, 6.8084, 18.9889



6.1090, 6.8084, 0.0000



2.4747, 6.8084, 22.6279

Complementary

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



13.9941, 6.8084, 18.9889



9.1824, 18.2147, 3.5225

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.



1.9678, 6.8084, 8.5216



13.9941, 6.8084, 18.9889



3.5649, 6.8084, 0.0000

Square

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



13.9941, 6.8084, 18.9889



9.7727, 6.8084, 0.0000



2.2853, 6.8084, 1.8692



4.0121, 6.8084, 38.5775

Rectangle

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



13.9941, 6.8084, 18.9889



14.2592, 6.8084, 2.2826



2.2853, 6.8084, 1.8692



2.2075, 6.8084, 17.2343

Sweetspot

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



13.9944, 6.8087, 18.9890



33.2767, 27.1685, 42.6664



4.7658, 1.9271, 24.1659



7.2735, 5.7386, 9.4283



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.



13.9944, 6.8087, 18.9890



24.6295, 11.9860, 33.2738



11.1761, 5.6814, 4.1481



5.2093, 5.1192, 6.1906



12.8339, 6.2437, 17.4275



0.0885, 0.0428, 0.1331

Inverse Universe

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



13.9944, 6.8087, 18.9890



24.6295, 11.9860, 33.2738



10.6426, 18.7988, 11.2118



5.2093, 5.1192, 6.1906



12.8339, 6.2437, 17.4275



0.0885, 0.0428, 0.1331

Previews

White Background



This preview shows how the XYZ color 13.9941, 6.8084, 18.9889 looks on a white background.

Color Contrast Check

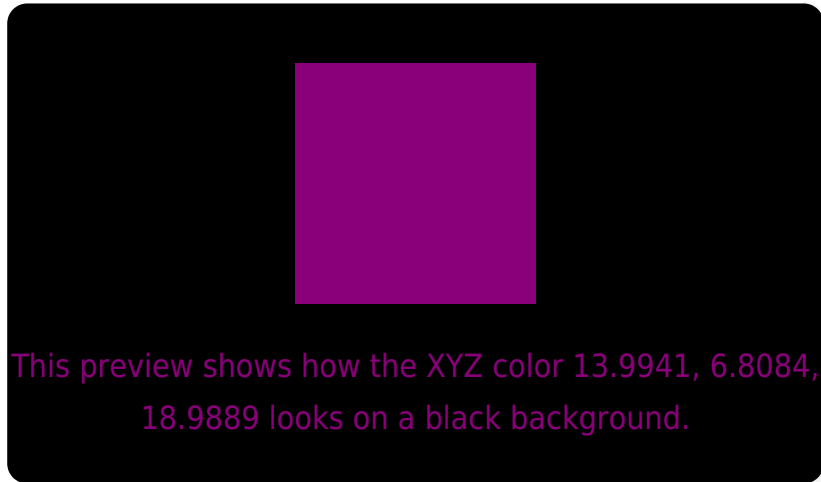
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.9941, 6.8084, 18.9889

Background



This preview shows how black text looks on a background with the XYZ color 13.9941, 6.8084, 18.9889.



This preview shows how white text looks on a background with the XYZ color 13.9941, 6.8084,

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

13.9941, 6.8084, 18.9889

Protanopia

8.6203, 7.3662, 33.3152

Deuteranopia

7.6119, 7.5062, 17.2673



Tritanopia

11.0146, 7.1782, 3.9370

Trichromacy



Original Color

13.9941, 6.8084, 18.9889



Protanomaly

7.4427, 4.7555, 27.3137



Deuteranomaly

8.3928, 5.5793, 17.7741



Tritanomaly

11.6611, 6.5841, 7.6774

Monochromacy



Original Color

13.9941, 6.8084, 18.9889



Achromatopsia

3.6313, 3.8204, 4.1605



Achromatomaly

5.7586, 3.6979, 7.8074

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.9941, 6.8084, 18.9889 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(138, 0, 122)` looks like.

```
.text, #text, p{  
    color:rgb(138, 0, 122)  
}
```

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(138, 0, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 0, 122) }
```

Border

The CSS property to change the border of an element to XYZ 13.9941, 6.8084, 18.9889 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(138, 0, 122) }
```


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

```
.border{ border-color:rgb(138, 0, 122) }
```

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

Here you see how a box with a 4 pixel rgb(138, 0, 122) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 0, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 0, 122);  
box-shadow:4px 4px 4px 4px rgb(138, 0,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 13.9941, 6.8084, 18.9889 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 0, 122) }
```

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

```
.background{ background-color: rgb(138, 0,  
122) }
```

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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