

Converting Colors

XYZ(13.9129, 6.7222, 20.9905)

Have a look what the booklet for
XYZ(13.9129, 6.7222, 20.9905)
contains.

XYZ(13.8880, 6.7094, 20.9851)	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(13.8880, 6.7094,
20.9851)**

Conversions

Conversions Part 1

Format	Color
Hex	870080
RGB	135, 0, 128
RGB Percent	53%, 0%, 50%
CMY	0.4706, 1.0000, 0.4980
CMYK	0.00, 1.00, 0.05, 0.47
HSL	303°, 100%, 26%
HSV	303°, 100%, 53%
XYZ	13.8880, 6.7094, 20.9851
YIQ	54.9570, 39.3720, 68.4280

Conversions

Conversions Part 2

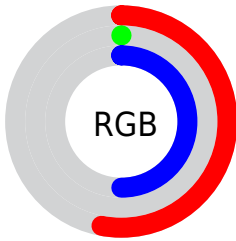
Format	Color
R_{YB}	135, 0, 128
Decimal	8847488
CIE _{Lab}	31.14, 60.18, -34.26
CIE _{LCh}	31, 69.247, 330.349
Yxy	6.7094, 0.3340, 0.1614
Android (android.graphics.Color)	4287037568 (0xFF870080)
YUV	54.9570, 36.0102, 70.1977
Hunter-Lab	25.9025, 50.3759, -29.9025

Details

The XYZ color **13.8880, 6.7094, 20.9851** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **8.7027, 17.3437, 3.0903**, and the grayscale version is **3.5793, 3.7657, 4.1008**.

A 20% lighter version of the original color is **32.5275, 19.4402, 45.7540**, and **4.6834, 2.2555, 7.3962** is the 20% darker color. If you saturate the color by 10%, you get **13.8881, 6.7095, 20.9850**, and if you desaturate by 10%, it is **14.0849, 7.0291, 21.2790**.

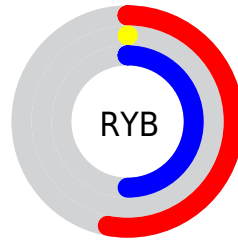
Distribution



Red (53%)

Green (0%)

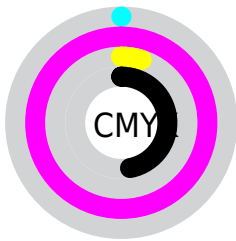
Blue (50%)



Red (53%)

Yellow (0%)

Blue (50%)

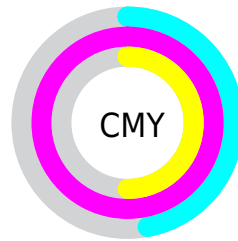


Cyan (0%)

Magenta (100%)

Yellow (5%)

Black (47%)



Cyan (47%)

Magenta (100%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.8880, 6.7094, 20.9851 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 13.8880, 6.7094, 20.9851 by changing the saturation by 10% instead.

■ 13.8880, 6.7094,
20.9851

■ 13.8880, 6.7094,
20.9851

210.0575,
165.2267, 269.9777

■ 8.1240, 3.2810,
12.9220

■ 32.4781, 19.3862,
45.9432

■ 4.2269, 1.2802,
7.2447

■ 46.0349, 29.4034,
63.6753

■ 1.8313, 0.1258,
3.5349

■ 62.9200, 42.3856,
85.4674

■ 0.5364, 0.0000,
1.3738

■ 83.4988, 58.7173,
111.7381


■ 0.0000, 0.0000,
0.1212

■ 108.1365, 78.7829,
142.9059

■ 0.0000, 0.0000,
0.0000

■ 137.1987,

102.9667, 179.3895

 171.0506,
131.6532, 221.6072

 13.8880, 6.7094,
20.9851

 13.8880, 6.7094,
20.9851


 13.8881, 6.7095,
20.9850

 14.0849, 7.0291,
21.2790

 14.3732, 7.5310,
21.6048

 14.8040, 8.3176,
21.9797

 15.3947, 9.4236,
22.4095

 16.1603, 10.8786,
22.8992

■ 17.1137, 12.7088,
23.4531

■ 18.2669, 14.9382,
24.0751

■ 19.6309, 17.5885,
24.7690

■ 21.2156, 20.6799,
25.5381

Harmonies

Analogous

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



10.2717, 6.7094, 38.1744



13.8880, 6.7094, 20.9851



15.3722, 6.7094, 7.1921

Triad

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



13.8880, 6.7094, 20.9851



6.3374, 6.7094, 0.0000



2.2429, 6.7094, 21.3863

Complementary

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



13.8880, 6.7094, 20.9851



8.7027, 17.3437, 3.0903

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.



1.8265, 6.7094, 7.4199



13.8880, 6.7094, 20.9851



3.6173, 6.7094, 0.0000

Square

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



13.8880, 6.7094, 20.9851



10.1773, 6.7094, 0.0000



2.2231, 6.7094, 1.4141



3.6647, 6.7094, 38.5184

Rectangle

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



13.8880, 6.7094, 20.9851



14.6524, 6.7094, 2.5456



2.2231, 6.7094, 1.4141



2.0091, 6.7094, 15.9135

Sweetspot

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



13.8883, 6.7097, 20.9852



32.5600, 26.4565, 43.0335



4.4580, 1.7931, 23.0333



7.3572, 5.7721, 9.8687



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.



13.8883, 6.7097, 20.9852



24.8520, 12.0078, 37.4822



10.8277, 5.4855, 4.8686



4.8477, 4.7588, 5.8105



12.8079, 6.1875, 19.3585



0.0452, 0.0218, 0.0712

Inverse Universe

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



13.8883, 6.7097, 20.9852



24.8520, 12.0078, 37.4822



9.9089, 17.8262, 9.4422



4.8477, 4.7588, 5.8105



12.8079, 6.1875, 19.3585



0.0452, 0.0218, 0.0712

Previews

White Background



This preview shows how the XYZ color 13.8880, 6.7094, 20.9851 looks on a white background.

Color Contrast Check

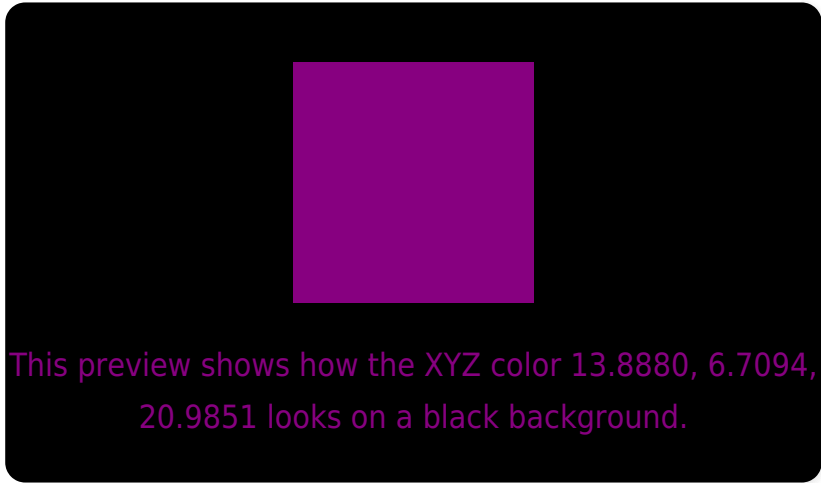
Large Text (above 18pt) WCAG AA ✓ Pass

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

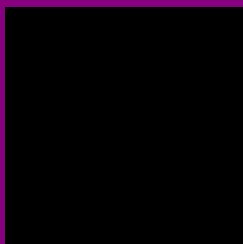
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.8880, 6.7094, 20.9851

Background



This preview shows how black text looks on a background with the XYZ color 13.8880, 6.7094, 20.9851.



This preview shows how white text looks on a background with the XYZ color 13.8880, 6.7094,

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

13.8880, 6.7094, 20.9851

Protanopia

8.4495, 7.2979, 32.4158

Deuteranopia

7.4428, 7.2818, 18.7826



Tritanopia

10.5356, 7.0503, 4.1737

Trichromacy



Original Color

13.8880, 6.7094, 20.9851



Protanomaly

7.4714, 4.7613, 27.7194



Deuteranomaly

8.1994, 5.3830, 19.3458



Tritanomaly

11.1704, 6.3580, 8.2279

Monochromacy



Original Color

13.8880, 6.7094, 20.9851



Achromatopsia

3.6313, 3.8204, 4.1605



Achromatomaly

5.7802, 3.6961, 8.3914

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.8880, 6.7094, 20.9851 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, 0, 128)` looks like.

```
.text, #text, p{  
    color:rgb(135, 0, 128)  
}
```

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, 0, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 0, 128) }
```

Border

The CSS property to change the border of an element to XYZ 13.8880, 6.7094, 20.9851 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, 0, 128) }
```


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

```
.border{ border-color:rgb(135, 0, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 0, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 0, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 0, 128);  
box-shadow:4px 4px 4px 4px rgb(135, 0,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 13.8880, 6.7094, 20.9851 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 0, 128) }
```

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

```
.background{ background-color: rgb(135, 0,  
128) }
```

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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