

Converting Colors

XYZ(13.8484, 6.6327, 23.5274)

Have a look what the booklet for
XYZ(13.8484, 6.6327, 23.5274)
contains.

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Color

**XYZ(13.8889, 6.6548,
23.4741)**

Conversions

Conversions Part 1

Format	Color
Hex	840087
RGB	132, 0, 135
RGB Percent	52%, 0%, 53%
CMY	0.4823, 1.0000, 0.4706
CMYK	0.02, 1.00, 0.00, 0.47
HSL	299°, 100%, 26%
HSV	299°, 100%, 53%
XYZ	13.8889, 6.6548, 23.4741
YIQ	54.8580, 35.3370, 69.9690

Conversions

Conversions Part 2

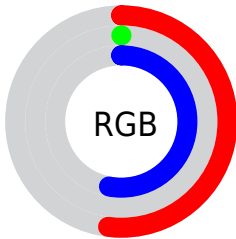
Format	Color
R_{YB}	132, 0, 135
Decimal	8650887
CIE _{Lab}	31.01, 60.74, -38.88
CIE _{LCh}	31, 72.114, 327.378
Yxy	6.6548, 0.3155, 0.1512
Android (android.graphics.Color)	4286840967 (0xFF840087)
YUV	54.8580, 39.5100, 67.6535
Hunter-Lab	25.7969, 50.9588, -35.8936

Details

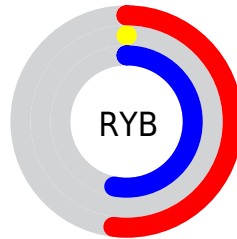
The XYZ color **13.8889, 6.6548, 23.4741** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **8.7017, 17.3474, 2.8900**, and the grayscale version is **3.5630, 3.7486, 4.0822**.

A 20% lighter version of the original color is **32.6204, 19.3905, 50.1676**, and **4.7421, 2.2598, 8.5738** is the 20% darker color. If you saturate the color by 10%, you get **13.8890, 6.6549, 23.4742**, and if you desaturate by 10%, it is **14.0866, 6.9802, 23.5266**.

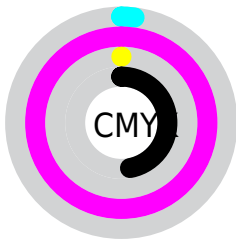
Distribution



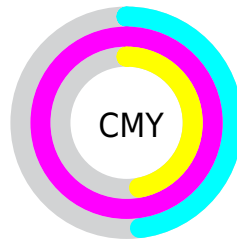
- Red (52%)
- Green (0%)
- Blue (53%)



- Red (52%)
- Yellow (0%)
- Blue (53%)



- Cyan (2%)
- Magenta (100%)
- Yellow (0%)
- Black (47%)



- Cyan (48%)
- Magenta (100%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.8889, 6.6548, 23.4741 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 13.8889, 6.6548, 23.4741 by changing the saturation by 10% instead.

13.8889, 6.6548,
23.4741

13.8889, 6.6548,
23.4741

210.0630,
164.7637, 283.3512

8.1246, 3.2472,
14.7354

32.4797, 19.2753,
50.1037

4.2273, 1.2621,
8.4893

46.0369, 29.2570,
68.8316

1.8315, 0.1116,
4.3174

62.9225, 42.1988,
91.7263

0.5365, 0.0000,
1.8010

83.5017, 58.4852,
119.2064


0.0000, 0.0000,
0.4286


108.1401, 78.5004,
151.6904

0.0000, 0.0000,
0.0000

137.2028,

102.6290, 189.5969


 171.0554,
131.2553, 233.3443

 13.8889, 6.6548,
23.4741

 13.8889, 6.6548,
23.4741


 13.8890, 6.6549,
23.4742

 14.0866, 6.9802,
23.5266

 14.3753, 7.4877,
23.6093

 14.8065, 8.2799,
23.7395

 15.3974, 9.3914,
23.9229

 16.1629, 10.8519,
24.1645

■ 17.1161, 12.6875,
24.4685

■ 18.2689, 14.9222,
24.8391

■ 19.6322, 17.5778,
25.2798

■ 21.2162, 20.6743,
25.7940

Harmonies

Analogous

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



9.9670, 6.6548, 41.5657



13.8889, 6.6548, 23.4741



15.7546, 6.6548, 8.1672

Triad

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



13.8889, 6.6548, 23.4741



6.6392, 6.6548, 0.0000



2.0237, 6.6548, 20.2764

Complementary

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



13.8889, 6.6548, 23.4741



8.7017, 17.3474, 2.8900

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.



1.6930, 6.6548, 6.3967



13.8889, 6.6548, 23.4741



3.7000, 6.6548, 0.0000

Square

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



13.8889, 6.6548, 23.4741



10.7092, 6.6548, 0.0000



2.1717, 6.6548, 1.0208



3.3383, 6.6548, 38.7946

Rectangle

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



13.8889, 6.6548, 23.4741



15.2076, 6.6548, 2.8682



2.1717, 6.6548, 1.0208



1.8212, 6.6548, 14.6942

Sweetspot

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



13.8892, 6.6551, 23.4742



32.5642, 26.4277, 44.4331



4.4222, 1.8472, 23.0452



7.3582, 5.7646, 10.2312



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.



13.8892, 6.6551, 23.4742



24.8538, 11.9079, 42.0369



11.1616, 5.6191, 6.6280



4.8479, 4.7577, 5.8636



12.8090, 6.1374, 21.6462



0.0452, 0.0217, 0.0750

Inverse Universe

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



10.0083, 5.1577, 0.5544



17.9146, 9.2328, 0.9502



9.5615, 17.6870, 7.6134



4.6764, 4.6903, 4.9085



9.2294, 4.7561, 0.5145



0.0322, 0.0166, 0.0031

Previews

White Background



This preview shows how the XYZ color 13.8889, 6.6548, 23.4741 looks on a white background.

Color Contrast Check

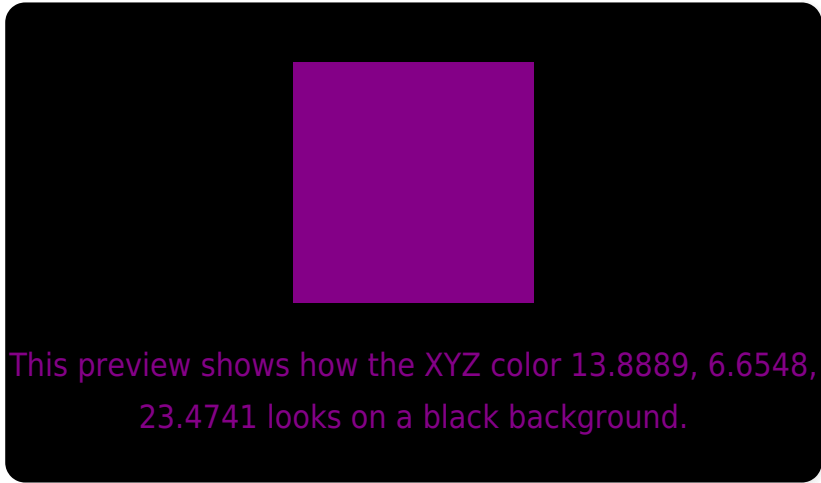
Large Text (above 18pt) WCAG AA ✓ Pass

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

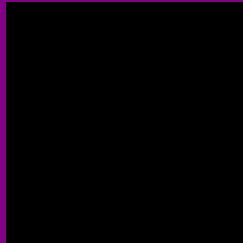
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.8889, 6.6548, 23.4741

Background



This preview shows how black text looks on a background with the XYZ color 13.8889, 6.6548, 23.4741.



This preview shows how white text looks on a background with the XYZ color 13.8889, 6.6548,

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

13.8889, 6.6548, 23.4741

Protanopia

8.2989, 7.1316, 31.9495

Deuteranopia

7.4395, 7.3323, 21.1018



Tritanopia

10.1800, 7.0526, 4.6956

Trichromacy



Original Color

13.8889, 6.6548, 23.4741



Protanomaly

7.5412, 4.7205, 28.5307



Deuteranomaly

8.0292, 5.3042, 21.7197



Tritanomaly

10.8159, 6.2356, 9.2278

Monochromacy



Original Color

13.8889, 6.6548, 23.4741



Achromatopsia

3.6313, 3.8204, 4.1605



Achromatomaly

5.7685, 3.6812, 8.7940

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.8889, 6.6548, 23.4741 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(132, 0, 135)` looks like.

```
.text, #text, p{  
    color:rgb(132, 0, 135)  
}
```

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(132, 0, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 0, 135) }
```

Border

The CSS property to change the border of an element to XYZ 13.8889, 6.6548, 23.4741 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(132, 0, 135) }
```


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

```
.border{ border-color:rgb(132, 0, 135) }
```

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

Here you see how a box with a 4 pixel rgb(132, 0, 135) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 0, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 0, 135);  
box-shadow:4px 4px 4px 4px rgb(132, 0,  
135) }
```

Background

The CSS property to change the background color of an element to XYZ 13.8889, 6.6548, 23.4741 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 0, 135) }
```

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

```
.background{ background-color: rgb(132, 0,  
135) }
```

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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