

Converting Colors

XYZ(13.4932, 6.8070, 9.9218)

Have a look what the booklet for
XYZ(13.4932, 6.8070, 9.9218)
contains.

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Color

**XYZ(13.4819, 6.8112,
9.8366)**

Conversions

Conversions Part 1

Format	Color
Hex	910458
RGB	145, 4, 88
RGB Percent	57%, 2%, 35%
CMY	0.4314, 0.9842, 0.6549
CMYK	0.00, 0.97, 0.39, 0.43
HSL	324°, 95%, 29%
HSV	324°, 97%, 57%
XYZ	13.4819, 6.8112, 9.8366
YIQ	55.7350, 57.0720, 56.0160

Conversions

Conversions Part 2

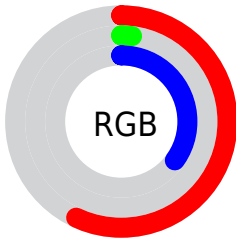
Format	Color
RYB	145, 4, 88
Decimal	9503832
CIELab	31.37, 56.57, -8.06
CIElCh	31, 57.137, 351.887
Yxy	6.8112, 0.4475, 0.2261
Android (android.graphics.Color)	4287693912 (0xFF910458)
YUV	55.7350, 15.9066, 78.2854
Hunter-Lab	26.0983, 46.5379, -4.0780

Details

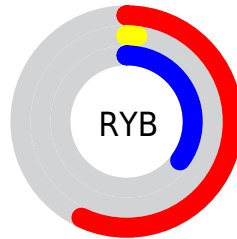
The XYZ color **13.4819, 6.8112, 9.8366** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **11.0186, 20.6138, 7.8160**, and the grayscale version is **3.7015, 3.8942, 4.2408**.

A 20% lighter version of the original color is **31.7321, 19.5636, 26.1484**, and **4.5559, 2.2983, 2.4890** is the 20% darker color. If you saturate the color by 10%, you get **13.3718, 6.6976, 9.4714**, and if you desaturate by 10%, it is **13.9161, 7.2751, 11.2282**.

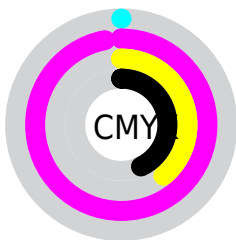
Distribution



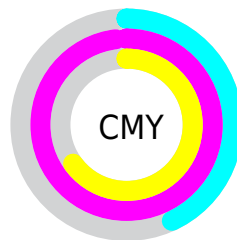
- Red (57%)
- Green (2%)
- Blue (35%)



- Red (57%)
- Yellow (2%)
- Blue (35%)



- Cyan (0%)
- Magenta (97%)
- Yellow (39%)
- Black (43%)




- Cyan (43%)
- Magenta (98%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.4819, 6.8112, 9.8366 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 13.4819, 6.8112, 9.8366 by changing the saturation by 10% instead.


 13.4819, 6.8112,
9.8366


 13.4819, 6.8112,
9.8366


207.5592,
166.0856, 199.9441


 7.8405, 3.3443,
5.1866


 31.7609, 19.5924,
26.0907


 4.0440, 1.3140,
2.2965

 45.1291, 29.6755,
38.5318


 1.7271, 0.1520,
0.7293

 61.8037, 42.7327,
54.4071

 0.4731, 0.0000,
0.0000


 82.1500, 59.1485,
74.1350


 0.0000, 0.0000,
0.0000

 106.5334, 79.3074,
98.1341


 135.3191,


103.5935, 126.8230

 168.8726,
132.3915, 160.6201

 13.4819, 6.8112,
9.8366


 13.4819, 6.8112,
9.8366


 13.3718, 6.6976,
9.4714

 13.9161, 7.2751,
11.2282

 14.5084, 8.0234,
12.7709

 15.2946, 9.1267,
14.4790

 16.2949, 10.6249,
16.3612

 17.5268, 12.5524,
18.4253

■ 19.0060, 14.9399,
20.6785

■ 20.7468, 17.8153,
23.1273

■ 22.7622, 21.2042,
25.7780

■ 25.0644, 25.1303,
28.6365

Harmonies

Analogous

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



11.7601, 6.8112, 21.7670



13.4819, 6.8112, 9.8366



12.9392, 6.8112, 2.9958

Triad

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



13.4819, 6.8112, 9.8366



4.6519, 6.8112, 0.0750



3.6656, 6.8112, 27.6384

Complementary

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



13.4819, 6.8112, 9.8366



11.0186, 20.6138, 7.8160

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.



2.6271, 6.8112, 14.8627



13.4819, 6.8112, 9.8366



3.0703, 6.8112, 1.3607

Square

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



13.4819, 6.8112, 9.8366



7.2714, 6.8112, 0.0000



2.4465, 6.8112, 5.4295



5.7368, 6.8112, 35.9584

Rectangle

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



13.4819, 6.8112, 9.8366



11.4209, 6.8112, 1.1226



2.4465, 6.8112, 5.4295



3.2124, 6.8112, 23.4168

Sweetspot

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



13.4821, 6.8116, 9.8367



36.3696, 30.5986, 40.3427



7.0430, 3.1052, 27.0161



7.8235, 6.3648, 8.6005



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



13.4821, 6.8116, 9.8367



23.8592, 11.9594, 16.4989



11.8308, 6.1511, 1.1411



5.5352, 5.4746, 6.3163



11.4826, 5.7501, 8.1927



0.1207, 0.0594, 0.1360

Inverse Universe

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



13.4821, 6.8116, 9.8367



23.8592, 11.9594, 16.4989



14.2658, 21.9127, 24.9156



5.5352, 5.4746, 6.3163



11.4826, 5.7501, 8.1927



0.1207, 0.0594, 0.1360

Previews

White Background



This preview shows how the XYZ color 13.4819, 6.8112, 9.8366 looks on a white background.

Color Contrast Check

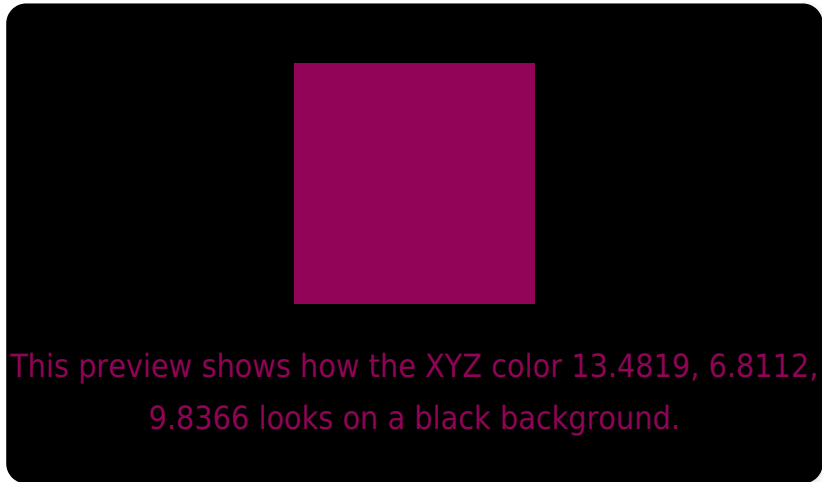
Large Text (above 18pt) WCAG AA ✓ Pass

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

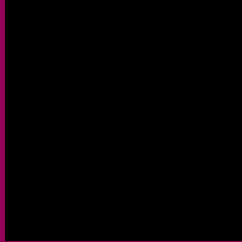
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.4819, 6.8112, 9.8366

Background



This preview shows how black text looks on a background with the XYZ color 13.4819, 6.8112, 9.8366.



This preview shows how white text looks on a background with the XYZ color 13.4819, 6.8112,

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

13.4819, 6.8112, 9.8366

Protanopia

7.9129, 7.3793, 20.7460

Deuteranopia

7.4514, 7.3006, 8.9991



Tritanopia

12.0748, 7.0802, 2.3993

Trichromacy



Original Color

13.4819, 6.8112, 9.8366

Protanomaly

8.0474, 5.4412, 15.9553

Deuteranomaly

8.5242, 5.8400, 9.0655

Tritanomaly

12.3439, 6.7687, 4.2703

Monochromacy



Original Color

13.4819, 6.8112, 9.8366

Achromatopsia

3.7589, 3.9546, 4.3066

Achromatomaly

5.7295, 3.8152, 5.9033

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.4819, 6.8112, 9.8366 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(145, 4, 88)` looks like.

```
.text, #text, p{  
  color:rgb(145, 4, 88)  
}
```

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(145, 4, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 4, 88) }
```

Border

The CSS property to change the border of an element to XYZ 13.4819, 6.8112, 9.8366 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(145, 4, 88) }
```


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

```
.border{ border-color:rgb(145, 4, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 4, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 4, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 4, 88);  
box-shadow:4px 4px 4px 4px rgb(145, 4, 88)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.4819, 6.8112, 9.8366 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 4, 88) }
```

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

```
.background{ background-color: rgb(145, 4,  
88) }
```

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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