

Converting Colors

XYZ(13.4286, 6.7801, 7.0684)

Have a look what the booklet for
XYZ(13.4286, 6.7801, 7.0684)
contains.

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Color

**XYZ(13.4488, 6.7903,
7.0804)**

Conversions

Conversions Part 1

Format	Color
Hex	94004A
RGB	148, 0, 74
RGB Percent	58%, 0%, 29%
CMY	0.4196, 0.9999, 0.7098
CMYK	0.00, 1.00, 0.50, 0.42
HSL	330°, 100%, 29%
HSV	330°, 100%, 58%
XYZ	13.4488, 6.7903, 7.0804
YIQ	52.6880, 64.4540, 54.3900

Conversions

Conversions Part 2

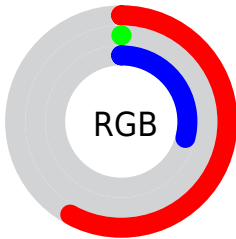
Format	Color
RYB	148, 0, 74
Decimal	9699402
CIELab	31.32, 56.56, 1.17
CIELCh	31, 56.573, 1.183
Yxy	6.7903, 0.4923, 0.2486
Android (android.graphics.Color)	4287889482 (0xFF94004A)
YUV	52.6880, 10.5068, 83.5886
Hunter-Lab	26.0582, 46.5231, 2.1308

Details

The XYZ color **13.4488, 6.7903, 7.0804** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **11.8268, 21.6746, 10.0419**, and the grayscale version is **3.3297, 3.5031, 3.8149**.

A 20% lighter version of the original color is **31.6938, 19.5681, 20.5189**, and **4.5617, 2.3231, 1.5043** is the 20% darker color. If you saturate the color by 10%, you get **13.4485, 6.7902, 7.0789**, and if you desaturate by 10%, it is **13.8813, 7.2325, 8.5281**.

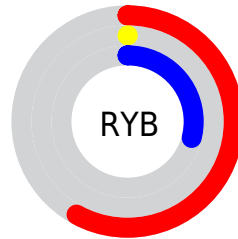
Distribution



Red (58%)

Green (0%)

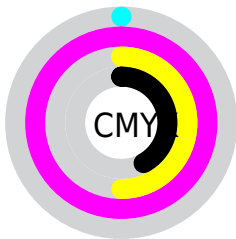
Blue (29%)



Red (58%)

Yellow (0%)

Blue (29%)

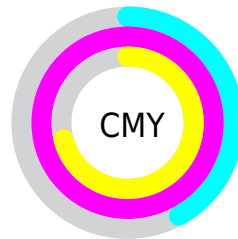


Cyan (0%)

Magenta (100%)

Yellow (50%)

Black (42%)



Cyan (42%)


Magenta (100%)


Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.4488, 6.7903, 7.0804 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 13.4488, 6.7903, 7.0804 by changing the saturation by 10% instead.


 13.4488, 6.7903,
7.0804


 13.4488, 6.7903,
7.0804


207.3543,
165.9097, 177.9863


 7.8174, 3.3313,
3.4332


 31.7023, 19.5501,
20.6504


 4.0292, 1.3070,
1.3199

 45.0551, 29.6197,
31.4103


 1.7187, 0.1466,
0.0780

 61.7124, 42.6616,
45.3782

 0.4679, 0.0000,
0.0000

 82.0396, 59.0602,
62.9726


 0.0000, 0.0000,
0.0000


 106.4020, 79.1999,
84.6121


 135.1650,


103.4652, 110.7151


 168.6940,
132.2403, 141.7004


 13.4488, 6.7903,
7.0804


 13.4488, 6.7903,
7.0804


 13.4485, 6.7902,
7.0789

 13.8813, 7.2325,
8.5281

 14.4623, 7.9232,
10.1747

 15.2497, 8.9768,
12.0443

 16.2665, 10.4377,
14.1487

 17.5322, 12.3436,
16.4988

■ 19.0642, 14.7280,
19.1041

■ 20.8781, 17.6211,
21.9740

■ 22.9885, 21.0506,
25.1170

■ 25.4087, 25.0421,
28.5411

Harmonies

Analogous

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



12.3946, 6.7903, 17.5593



13.4488, 6.7903, 7.0804



12.2241, 6.7903, 1.9473

Triad

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



13.4488, 6.7903, 7.0804



4.0538, 6.7903, 0.3922



4.1963, 6.7903, 30.7106

Complementary

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



13.4488, 6.7903, 7.0804



11.8268, 21.6746, 10.0419

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.



2.8638, 6.7903, 18.5569



13.4488, 6.7903, 7.0804



2.7998, 6.7903, 2.1822

Square

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



13.4488, 6.7903, 7.0804



6.3437, 6.7903, 0.0000



2.4364, 6.7903, 7.7157



6.5655, 6.7903, 35.8897

Rectangle

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



13.4488, 6.7903, 7.0804



10.4390, 6.7903, 0.6942



2.4364, 6.7903, 7.7157



3.6393, 6.7903, 27.0146

Sweetspot

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



13.4490, 6.7907, 7.0805



36.6280, 30.7530, 38.4490



8.1702, 3.5947, 28.2802



8.0706, 6.5541, 8.3241



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



13.4490, 6.7907, 7.0805



23.6424, 11.9462, 12.0331



12.2130, 6.2963, 0.5721



5.9145, 5.8608, 6.6557



11.5009, 5.8054, 6.1189



0.1556, 0.0770, 0.1531

Inverse Universe

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



13.4490, 6.7907, 7.0805



23.6424, 11.9462, 12.0331



15.9354, 23.3181, 31.6779



5.9145, 5.8608, 6.6557



11.5009, 5.8054, 6.1189



0.1556, 0.0770, 0.1531

Previews

White Background



This preview shows how the XYZ color 13.4488, 6.7903, 7.0804 looks on a white background.

Color Contrast Check

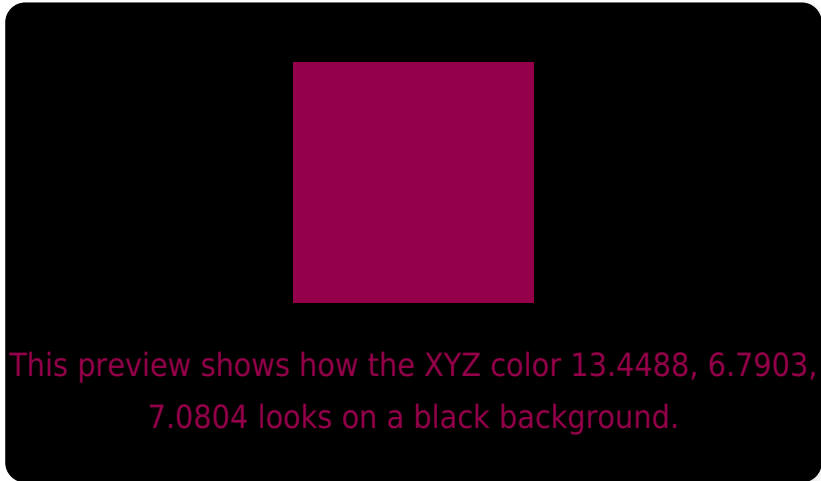
Large Text (above 18pt) WCAG AA ✓ Pass

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

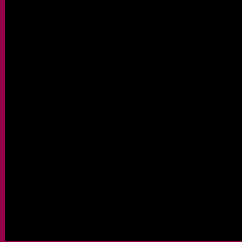
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.4488, 6.7903, 7.0804

Background



This preview shows how black text looks on a background with the XYZ color 13.4488, 6.7903, 7.0804.



This preview shows how white text looks on a background with the XYZ color 13.4488, 6.7903,

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

13.4488, 6.7903, 7.0804

Protanopia

7.6222, 7.4594, 14.9480

Deuteranopia

7.5167, 7.3896, 6.4990



Tritanopia

12.5152, 7.0784, 1.8690

Trichromacy



Original Color

13.4488, 6.7903, 7.0804

Protanomaly

8.0523, 5.4815, 11.4601

Deuteranomaly

8.5524, 5.7902, 6.4612

Tritanomaly

12.7226, 6.8251, 3.1294

Monochromacy



Original Color

13.4488, 6.7903, 7.0804

Achromatopsia

3.3839, 3.5601, 3.8770

Achromatomaly

5.4388, 3.5557, 4.8145

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.4488, 6.7903, 7.0804 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(148, 0, 74)` looks like.

```
.text, #text, p{  
    color:rgb(148, 0, 74)  
}
```

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(148, 0, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 0, 74) }
```

Border

The CSS property to change the border of an element to XYZ 13.4488, 6.7903, 7.0804 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(148, 0, 74) }
```


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

```
.border{ border-color:rgb(148, 0, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 0, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 0, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 0, 74);  
box-shadow:4px 4px 4px 4px rgb(148, 0, 74)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.4488, 6.7903, 7.0804 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 0, 74) }
```

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

```
.background{ background-color: rgb(148, 0,  
74) }
```

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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