

Converting Colors

XYZ(13.9986, 7.0620, 7.6381)

Have a look what the booklet for
XYZ(13.9986, 7.0620, 7.6381)
contains.

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Color

**XYZ(13.9172, 7.0199,
7.6426)**

Conversions

Conversions Part 1	
Format	Color
Hex	96004D
RGB	150, 0, 77
RGB Percent	59%, 0%, 30%
CMY	0.4118, 0.9999, 0.6980
CMYK	0.00, 1.00, 0.49, 0.41
HSL	329°, 100%, 29%
HSV	329°, 100%, 59%
XYZ	13.9172, 7.0199, 7.6426
YIQ	53.6280, 64.6830, 55.7470

Conversions

Conversions Part 2

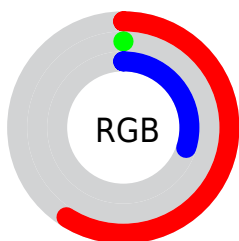
Format	Color
RYB	150, 0, 77
Decimal	9830477
CIELab	31.85, 57.28, 0.00
CIELCh	32, 57.277, 0.003
Yxy	7.0199, 0.4870, 0.2456
Android (android.graphics.Color)	4288020557 (0xFF96004D)
YUV	53.6280, 11.5224, 84.5182
Hunter-Lab	26.4951, 47.3951, 1.4442

Details

The XYZ color **13.9172, 7.0199, 7.6426** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **12.1099, 22.2940, 9.9723**, and the grayscale version is **3.4428, 3.6221, 3.9445**.

A 20% lighter version of the original color is **32.5092, 19.9592, 21.8778**, and **4.7887, 2.4370, 1.6568** is the 20% darker color. If you saturate the color by 10%, you get **13.9167, 7.0196, 7.6405**, and if you desaturate by 10%, it is **14.3608, 7.4711, 9.1346**.

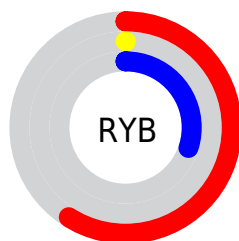
Distribution



Red (59%)

Green (0%)

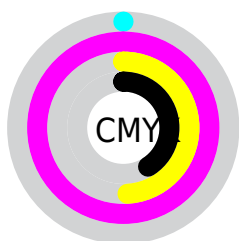
Blue (30%)



Red (59%)

Yellow (0%)

Blue (30%)

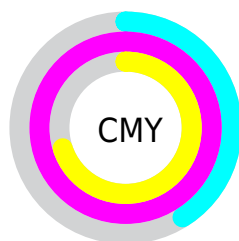


Cyan (0%)

Magenta (100%)

Yellow (49%)

Black (41%)



Cyan (41%)

Magenta (100%)

Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.9172, 7.0199, 7.6426 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 13.9172, 7.0199, 7.6426 by changing the saturation by 10% instead.


 13.9172, 7.0199,
7.6426


 13.9172, 7.0199,
7.6426


210.2361,
167.8289, 182.7299


 8.1444, 3.4745,
3.7826


 32.5295, 20.0132,
21.7892


 4.2401, 1.3842,
1.5069


 46.0998, 30.2300,
32.9130


 1.8388, 0.2050,
0.2230

 62.9999, 43.4394,
47.2951

 0.5409, 0.0000,
0.0000


 83.5953, 60.0257,
65.3541


 0.0000, 0.0000,
0.0000

 108.2512, 80.3735,
87.5086


 137.3331,


104.8670, 114.1770

 171.2062,
133.8907, 145.7779

 13.9172, 7.0199,
7.6426


 13.9172, 7.0199,
7.6426


 13.9167, 7.0196,
7.6405

 14.3608, 7.4711,
9.1346

 14.9569, 8.1795,
10.8248

 15.7644, 9.2616,
12.7369

 16.8068, 10.7630,
14.8831

 18.1044, 12.7230,
17.2740

■ 19.6751, 15.1760,
19.9193

■ 21.5349, 18.1532,
22.8282

■ 23.6989, 21.6833,
26.0091

■ 26.1808, 25.7928,
29.4702

Harmonies

Analogous

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



12.7368, 7.0199, 18.6843



13.9172, 7.0199, 7.6426



12.7363, 7.0199, 2.1268

Triad

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



13.9172, 7.0199, 7.6426



4.2608, 7.0199, 0.3716



4.2612, 7.0199, 31.3810

Complementary

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



13.9172, 7.0199, 7.6426



12.1099, 22.2940, 9.9723

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.



2.9233, 7.0199, 18.6871



13.9172, 7.0199, 7.6426



2.9232, 7.0199, 2.1274

Square

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



13.9172, 7.0199, 7.6426



6.6719, 7.0199, 0.0000



2.5144, 7.0199, 7.6444



6.6725, 7.0199, 37.1720

Rectangle

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



13.9172, 7.0199, 7.6426



10.9206, 7.0199, 0.7717



2.5144, 7.0199, 7.6444



3.6992, 7.0199, 27.4748

Sweetspot

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



13.9174, 7.0203, 7.6427



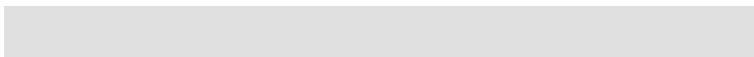
37.7904, 31.6905, 39.9619



8.2161, 3.6000, 29.1158



8.0876, 6.5609, 8.4141



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.



13.9174, 7.0203, 7.6427



24.4715, 12.3527, 13.0169



12.5917, 6.4900, 0.6615



5.9176, 5.8621, 6.6721



11.5586, 5.8285, 6.4226



0.1564, 0.0773, 0.1570

Inverse Universe

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



13.9174, 7.0203, 7.6427



24.4715, 12.3527, 13.0169



16.2123, 23.9350, 31.5753



5.9176, 5.8621, 6.6721



11.5586, 5.8285, 6.4226



0.1564, 0.0773, 0.1570

Previews

White Background



This preview shows how the XYZ color 13.9172, 7.0199, 7.6426 looks on a white background.

Color Contrast Check

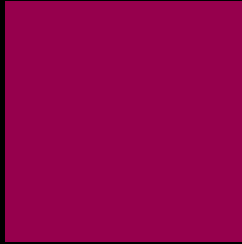
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the XYZ color 13.9172, 7.0199, 7.6426 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

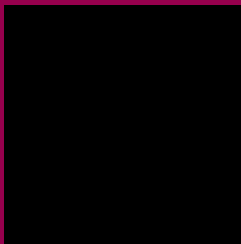
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.9172, 7.0199, 7.6426

Background



This preview shows how black text looks on a background with the XYZ color 13.9172, 7.0199, 7.6426.



This preview shows how white text looks on a background with the XYZ color 13.9172, 7.0199,

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

13.9172, 7.0199, 7.6426

Protanopia

7.9070, 7.6844, 16.1054

Deuteranopia

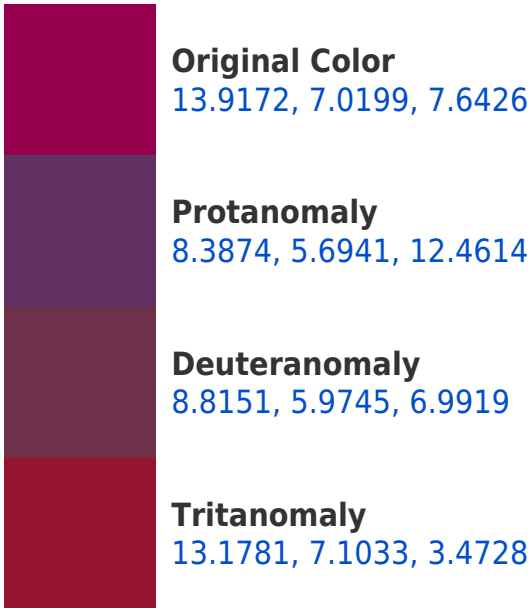
7.6779, 7.5618, 7.0161



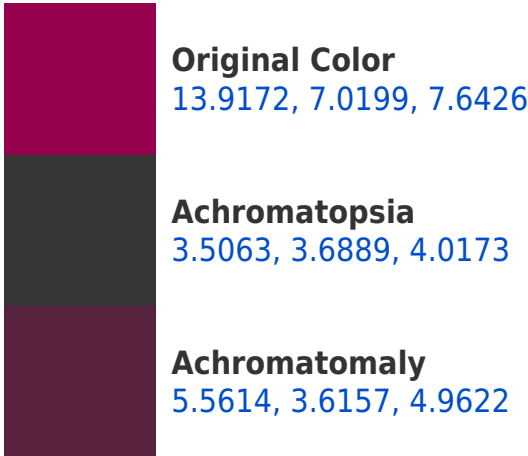
Tritanopia

12.9501, 7.3748, 2.0373

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.9172, 7.0199, 7.6426 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(150, 0, 77)` looks like.

```
.text, #text, p{  
    color:rgb(150, 0, 77)  
}
```

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(150, 0, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 0, 77) }
```

Border

The CSS property to change the border of an element to XYZ 13.9172, 7.0199, 7.6426 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(150, 0, 77) }
```


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

```
.border{ border-color:rgb(150, 0, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 0, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 0, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 0, 77);  
box-shadow:4px 4px 4px 4px rgb(150, 0, 77)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.9172, 7.0199, 7.6426 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 0, 77) }
```

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

```
.background{ background-color: rgb(150, 0,  
77) }
```

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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