

Converting Colors

XYZ(13.7639, 6.7598, 15.8134)

Have a look what the booklet for
XYZ(13.7639, 6.7598, 15.8134)
contains.

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Color

**XYZ(13.7398, 6.7453,
15.9070)**

Conversions

Conversions Part 1

Format	Color
Hex	8C0070
RGB	140, 0, 112
RGB Percent	55%, 0%, 44%
CMY	0.4510, 0.9999, 0.5608
CMYK	0.00, 1.00, 0.20, 0.45
HSL	312°, 100%, 27%
HSV	312°, 100%, 55%
XYZ	13.7398, 6.7453, 15.9070
YIQ	54.6280, 47.4880, 64.5120

Conversions

Conversions Part 2

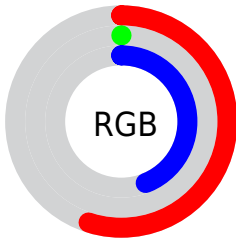
Format	Color
RYB	140, 0, 112
Decimal	9175152
CIELab	31.22, 58.88, -23.92
CIELCh	31, 63.552, 337.889
Yxy	6.7453, 0.3775, 0.1854
Android (android.graphics.Color)	4287365232 (0xFF8C0070)
YUV	54.6280, 28.2844, 74.8712
Hunter-Lab	25.9717, 48.9812, -18.1334

Details

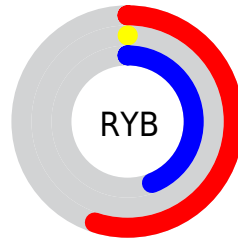
The XYZ color **13.7398, 6.7453, 15.9070** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **9.5881, 18.8402, 4.2308**, and the grayscale version is **3.5472, 3.7320, 4.0641**.

A 20% lighter version of the original color is **32.1756, 19.4482, 37.1800**, and **4.6717, 2.3015, 5.0485** is the 20% darker color. If you saturate the color by 10%, you get **13.7397, 6.7452, 15.9061**, and if you desaturate by 10%, it is **14.0555, 7.1232, 16.7936**.

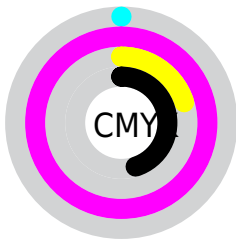
Distribution



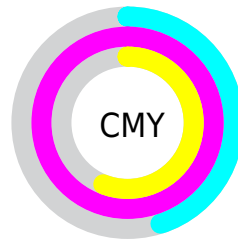
- Red (55%)
- Green (0%)
- Blue (44%)



- Red (55%)
- Yellow (0%)
- Blue (44%)



- Cyan (0%)
- Magenta (100%)
- Yellow (20%)
- Black (45%)




- Cyan (45%)
- Magenta (100%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.7398, 6.7453, 15.9070 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 13.7398, 6.7453, 15.9070 by changing the saturation by 10% instead.


 13.7398, 6.7453,
15.9070


 13.7398, 6.7453,
15.9070


209.1492,
165.5302, 240.6193

 8.0204, 3.3033,
9.3047


 32.2168, 19.4590,
37.2012


 4.1599, 1.2921,
4.8410

 45.7050, 29.4994,
52.7302


 1.7930, 0.1351,
2.0971

 62.5137, 42.5082,
72.0719

 0.5134, 0.0000,
0.6141


 83.0080, 58.8697,
95.6448

 0.0000, 0.0000,
0.0000

 107.5533, 78.9682,
123.8675


 136.5151,

103.1882, 157.1584


 170.2586,
131.9141, 195.9361

 13.7398, 6.7453,
15.9070

 13.7398, 6.7453,
15.9070


 13.7397, 6.7452,
15.9061

 14.0555, 7.1232,
16.7936

 14.4772, 7.7052,
17.7396

 15.0583, 8.5983,
18.7632

 15.8179, 9.8405,
19.8707

 16.7724, 11.4642,
21.0680

■ 17.9361, 13.4983,
22.3600

■ 19.3221, 15.9689,
23.7513

■ 20.9424, 18.8998,
25.2460

■ 22.8081, 22.3132,
26.8481

Harmonies

Analogous

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



10.8519, 6.7453, 30.9979



13.7398, 6.7453, 15.9070



14.3895, 6.7453, 5.2277

Triad

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



13.7398, 6.7453, 15.9070



5.6218, 6.7453, 0.0000



2.7436, 6.7453, 23.7801

Complementary

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



13.7398, 6.7453, 15.9070



9.5881, 18.8402, 4.2308

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.



2.1127, 6.7453, 9.9671



13.7398, 6.7453, 15.9070



3.3850, 6.7453, 0.2567

Square

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



13.7398, 6.7453, 15.9070



8.9478, 6.7453, 0.0000



2.3016, 6.7453, 2.5864



4.4059, 6.7453, 37.5808

Rectangle

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



13.7398, 6.7453, 15.9070



13.3189, 6.7453, 1.8793



2.3016, 6.7453, 2.5864



2.4333, 6.7453, 18.6848

Sweetspot

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



13.7400, 6.7457, 15.9071



33.8963, 27.8495, 41.7114



5.2130, 2.1409, 24.9494



7.5922, 6.0264, 9.3970



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



13.7400, 6.7457, 15.9071



24.1660, 11.8691, 27.7391



11.2335, 5.7430, 2.7080



5.1917, 5.1121, 6.0980



12.2154, 5.9963, 14.1703



0.0862, 0.0419, 0.1207

Inverse Universe

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



13.7400, 6.7457, 15.9071



24.1660, 11.8691, 27.7391



11.5831, 19.6382, 14.7365



5.1917, 5.1121, 6.0980



12.2154, 5.9963, 14.1703



0.0862, 0.0419, 0.1207

Previews

White Background



This preview shows how the XYZ color 13.7398, 6.7453, 15.9070 looks on a white background.

Color Contrast Check

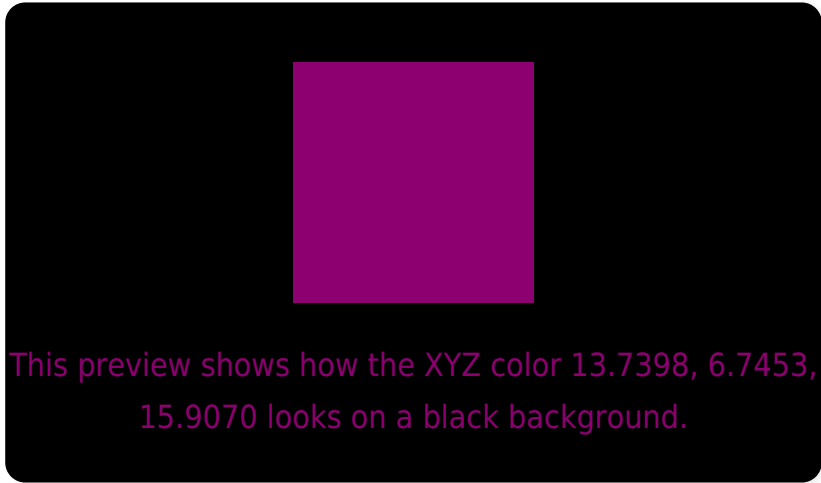
Large Text (above 18pt) WCAG AA ✓ Pass

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

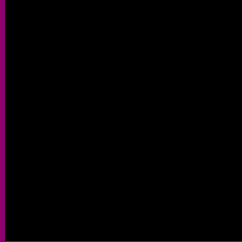
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.7398, 6.7453, 15.9070

Background



This preview shows how black text looks on a background with the XYZ color 13.7398, 6.7453, 15.9070.



This preview shows how white text looks on a background with the XYZ color 13.7398, 6.7453,

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

13.7398, 6.7453, 15.9070

Deuteranopia

7.5181, 7.4177, 14.4001

Tritanopia

11.3855, 7.1495, 3.3647

Trichromacy



Original Color

13.7398, 6.7453, 15.9070

Deuteranomaly

8.3798, 5.5763, 14.8220

Tritanomaly

11.8373, 6.5911, 6.4427

Monochromacy



Original Color

13.7398, 6.7453, 15.9070

Achromatopsia

3.6313, 3.8204, 4.1605

Achromatomaly

5.7433, 3.7023, 7.2494

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.7398, 6.7453, 15.9070 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(140, 0, 112)` looks like.

```
.text, #text, p{  
    color:rgb(140, 0, 112)  
}
```

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(140, 0, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 0, 112) }
```

Border

The CSS property to change the border of an element to XYZ 13.7398, 6.7453, 15.9070 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(140, 0, 112) }
```

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

```
.border{ border-color:rgb(140, 0, 112) }
```

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

Here you see how a box with a 4 pixel rgb(140, 0, 112) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 0, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 0, 112);  
box-shadow:4px 4px 4px 4px rgb(140, 0,  
112) }
```


Background

The CSS property to change the background color of an element to XYZ 13.7398, 6.7453, 15.9070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 0, 112) }
```

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

```
.background{ background-color: rgb(140, 0,  
112) }
```

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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