

Converting Colors

XYZ(13.0742, 6.7815, 1.0934)

Have a look what the booklet for
XYZ(13.0742, 6.7815, 1.0934)
contains.

XYZ(13.0750, 6.7779, 1.1094)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(13.0750, 6.7779,
1.1094)**

Conversions

Conversions Part 1

Format	Color
Hex	980310
RGB	152, 3, 16
RGB Percent	60%, 1%, 6%
CMY	0.4039, 0.9882, 0.9372
CMYK	0.00, 0.98, 0.89, 0.40
HSL	355°, 96%, 30%
HSV	355°, 98%, 60%
XYZ	13.0750, 6.7779, 1.1094
YIQ	49.0330, 84.6310, 35.6310

Conversions

Conversions Part 2

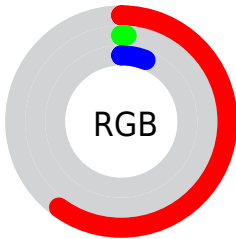
Format	Color
R_{YB}	152, 3, 16
Decimal	9962256
CIE _{Lab}	31.30, 54.25, 38.19
CIE _{LCh}	31, 66.341, 35.142
Yxy	6.7779, 0.6237, 0.3233
Android (android.graphics.Color)	4288152336 (0xFF980310)
YUV	49.0330, -16.2853, 90.3021
Hunter-Lab	26.0344, 44.0861, 15.6976

Details

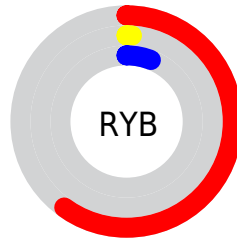
The XYZ color **13.0750, 6.7779, 1.1094** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **15.9275, 24.3404, 28.2916**, and the grayscale version is **2.9351, 3.0879, 3.3628**.

A 20% lighter version of the original color is **30.9959, 19.5199, 6.4090**, and **4.3144, 2.2241, 0.2019** is the 20% darker color. If you saturate the color by 10%, you get **13.0231, 6.7051, 0.9969**, and if you desaturate by 10%, it is **13.4015, 7.2082, 1.9051**.

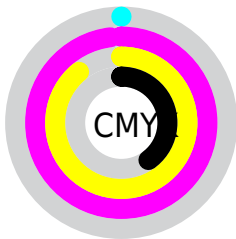
Distribution



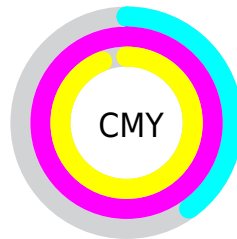
- Red (60%)
- Green (1%)
- Blue (6%)



- Red (60%)
- Yellow (1%)
- Blue (6%)



- Cyan (0%)
- Magenta (98%)
- Yellow (89%)
- Black (40%)




- Cyan (40%)
- Magenta (99%)
- Yellow (94%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 13.0750, 6.7779, 1.1094 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 13.0750, 6.7779, 1.1094 by changing the saturation by 10% instead.


 13.0750, 6.7779,
1.1094


 13.0750, 6.7779,
1.1094


 205.0257,
165.8052, 106.5010


 7.5576, 3.3236,
0.0000


 31.0386, 19.5250,
6.4194


 3.8626, 1.3029,
0.0000

 44.2155, 29.5866,
11.6996


 1.6247, 0.1435,
0.0000

 60.6763, 42.6194,
19.2880

 0.4084, 0.0000,
0.0000


 80.7863, 59.0077,
29.6030


 0.0000, 0.0000,
0.0000

 104.9109, 79.1361,
43.0633


 133.4154,


103.3889, 60.0873

 166.6652,
132.1505, 81.0937


 13.0750, 6.7779,
1.1094


 13.0750, 6.7779,
1.1094

 13.0231, 6.7051,
0.9969

 13.4015, 7.2082,
1.9051

 13.9544, 7.9665,
3.1608

 14.7856, 9.1420,
4.9389

 15.9256, 10.7833,
7.2883

 17.4010, 12.9321,
10.2525

■ 19.2354, 15.6256,
13.8705

■ 21.4503, 18.8975,
18.1782

■ 24.0655, 22.7789,
23.2089

■ 27.0994, 27.2983,
28.9936

Harmonies

Analogous

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



14.9557, 6.7779, 5.8804



13.0750, 6.7779, 1.1094



9.4641, 6.7779, 0.0000

Triad

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



13.0750, 6.7779, 1.1094



2.2548, 6.7779, 2.1026



7.0225, 6.7779, 43.7813

Complementary

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



13.0750, 6.7779, 1.1094



15.9275, 24.3404, 28.2916

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.



4.1436, 6.7779, 38.7559



13.0750, 6.7779, 1.1094



1.9891, 6.7779, 9.1150

Square

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



13.0750, 6.7779, 1.1094



3.4578, 6.7779, 0.0000



2.5465, 6.7779, 23.3608



10.7828, 6.7779, 34.0801

Rectangle

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



13.0750, 6.7779, 1.1094



6.9896, 6.7779, 0.0000



2.5465, 6.7779, 23.3608



5.9241, 6.7779, 43.8069

Sweetspot

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



13.0751, 6.7783, 1.1095



37.2104, 32.3915, 30.8252



16.0334, 7.6595, 30.3390



8.0982, 6.8311, 6.3088



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



13.0751, 6.7783, 1.1095



22.9581, 11.8236, 1.6070



14.7214, 10.1941, 1.2785



6.2296, 6.2310, 6.5890



10.9251, 5.6243, 0.8647



0.1684, 0.0861, 0.0396

Inverse Universe

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



13.0751, 6.7783, 1.1095



22.9581, 11.8236, 1.6070



9.5678, 10.0116, 31.1338



6.2296, 6.2310, 6.5890



10.9251, 5.6243, 0.8647



0.1684, 0.0861, 0.0396

Previews

White Background



This preview shows how the XYZ color 13.0750, 6.7779, 1.1094 looks on a white background.

Color Contrast Check

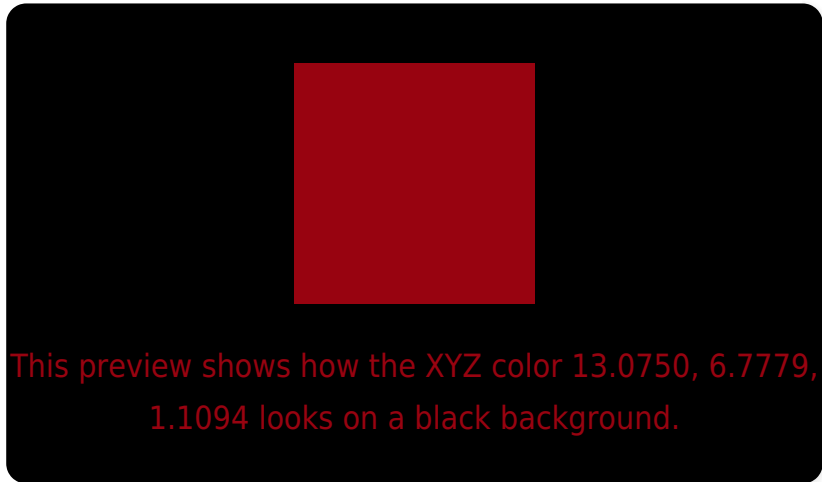
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.0750, 6.7779, 1.1094

Background



This preview shows how black text looks on a background with the XYZ color 13.0750, 6.7779, 1.1094.



This preview shows how white text looks on a background with the XYZ color 13.0750, 6.7779,

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

13.0750, 6.7779, 1.1094

Protanopia

6.7134, 7.3749, 2.2321

Deuteranopia

7.3123, 7.3065, 1.0249



Tritanopia

12.9195, 6.8934, 0.6496

Trichromacy



Original Color

13.0750, 6.7779, 1.1094

Protanomaly

7.7359, 5.6621, 1.5493

Deuteranomaly

8.4259, 5.9090, 0.8687

Tritanomaly

12.9039, 6.8095, 0.8066

Monochromacy



Original Color

13.0750, 6.7779, 1.1094

Achromatopsia

2.9193, 3.0713, 3.3447

Achromatomaly

4.6882, 3.1450, 2.1102

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.0750, 6.7779, 1.1094 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(152, 3, 16)` looks like.

```
.text, #text, p{  
    color:rgb(152, 3, 16)  
}
```

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(152, 3, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 3, 16) }
```

Border

The CSS property to change the border of an element to XYZ 13.0750, 6.7779, 1.1094 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(152, 3, 16) }
```


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

```
.border{ border-color:rgb(152, 3, 16) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 3, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 3, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 3, 16);  
box-shadow:4px 4px 4px 4px rgb(152, 3, 16)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.0750, 6.7779, 1.1094 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 3, 16) }
```

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

```
.background{ background-color: rgb(152, 3,  
16) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor