

Converting Colors

XYZ(13.7107, 7.0852, 2.0009)

Have a look what the booklet for
XYZ(13.7107, 7.0852, 2.0009)
contains.

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Color

**XYZ(13.6197, 7.0394,
2.0074)**

Conversions

Conversions Part 1

Format	Color
Hex	9A0320
RGB	154, 3, 32
RGB Percent	60%, 1%, 13%
CMY	0.3961, 0.9882, 0.8745
CMYK	0.00, 0.98, 0.79, 0.40
HSL	348°, 96%, 31%
HSV	348°, 98%, 60%
XYZ	13.6197, 7.0394, 2.0074
YIQ	51.4550, 80.6870, 41.0310

Conversions

Conversions Part 2

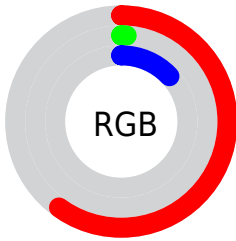
Format	Color
RYB	154, 3, 32
Decimal	10093344
CIELab	31.90, 55.20, 29.75
CIELCh	32, 62.700, 28.321
Yxy	7.0394, 0.6009, 0.3106
Android (android.graphics.Color)	4288283424 (0xFF9A0320)
YUV	51.4550, -9.5913, 89.9320
Hunter-Lab	26.5319, 45.1993, 14.0864

Details

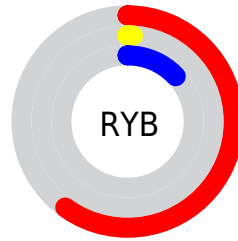
The XYZ color **13.6197, 7.0394, 2.0074** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **15.2963, 24.6118, 23.3531**, and the grayscale version is **3.2052, 3.3722, 3.6723**.

A 20% lighter version of the original color is **32.1395, 20.1529, 9.0334**, and **4.6161, 2.3797, 0.2160** is the 20% darker color. If you saturate the color by 10%, you get **13.5551, 6.9615, 1.8283**, and if you desaturate by 10%, it is **14.0126, 7.5016, 3.1363**.

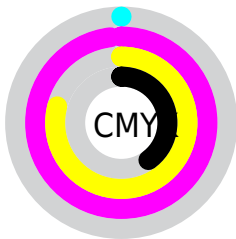
Distribution



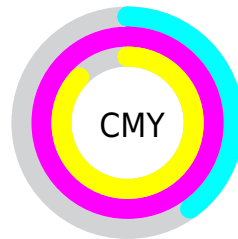
- Red (60%)
- Green (1%)
- Blue (13%)



- Red (60%)
- Yellow (1%)
- Blue (13%)



- Cyan (0%)
- Magenta (98%)
- Yellow (79%)
- Black (40%)





- Cyan (40%)
- Magenta (99%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.6197, 7.0394, 2.0074 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 13.6197, 7.0394, 2.0074 by changing the saturation by 10% instead.


 13.6197, 7.0394,
2.0074


 13.6197, 7.0394,
2.0074


208.4103,
167.9907, 122.4916


 7.9366, 3.4868,
0.5598

 32.0046, 20.0524,
9.0610


 4.1058, 1.3908,
0.0000

 45.4372, 30.2816,
15.5581


 1.7622, 0.2099,
0.0000

 62.1835, 43.5051,
24.5933

 0.4947, 0.0000,
0.0000

 82.6090, 60.1072,
36.5853


 0.0000, 0.0000,
0.0000


 107.0791, 80.4725,
51.9526


 135.9591,


104.9852, 71.1137


 169.6144,
134.0298, 94.4872


 13.6197, 7.0394,
2.0074


 13.6197, 7.0394,
2.0074

 13.5551, 6.9615,
1.8283

 14.0126, 7.5016,
3.1363

 14.6290, 8.2981,
4.6870

 15.5184, 9.5189,
6.7039

 16.7094, 11.2130,
9.2217

 18.2268, 13.4224,
12.2717

■ 20.0928, 16.1848,
15.8825

■ 22.3275, 19.5342,
20.0806

■ 24.9497, 23.5018,
24.8909

■ 27.9767, 28.1167,
30.3367

Harmonies

Analogous

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



14.8211, 7.0394, 8.1878



13.6197, 7.0394, 2.0074



10.4299, 7.0394, 0.1144

Triad

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



13.6197, 7.0394, 2.0074



2.7283, 7.0394, 1.6660



6.5137, 7.0394, 41.7106

Complementary

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



13.6197, 7.0394, 2.0074



15.2963, 24.6118, 23.3531

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.



3.9728, 7.0394, 34.1893



13.6197, 7.0394, 2.0074



2.2599, 7.0394, 7.1643

Square

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



13.6197, 7.0394, 2.0074



4.1954, 7.0394, 0.0000



2.6312, 7.0394, 19.2886



10.0194, 7.0394, 35.5946

Rectangle

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



13.6197, 7.0394, 2.0074



8.0022, 7.0394, 0.0000



2.6312, 7.0394, 19.2886



5.5310, 7.0394, 40.6250

Sweetspot

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



13.6199, 7.0398, 2.0075



39.8884, 34.4749, 35.2300



14.1493, 6.6691, 31.1132



8.6529, 7.2394, 7.2711



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



13.6199, 7.0398, 2.0075



24.5693, 12.6243, 3.0324



14.4128, 9.0163, 1.0674



6.2549, 6.2411, 6.7222



11.0543, 5.6760, 1.5450



0.1757, 0.0890, 0.0782

Inverse Universe

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



13.6199, 7.0398, 2.0075



24.5693, 12.6243, 3.0324



11.3078, 13.2272, 32.5288



6.2549, 6.2411, 6.7222



11.0543, 5.6760, 1.5450



0.1757, 0.0890, 0.0782

Previews

White Background



This preview shows how the XYZ color 13.6197, 7.0394, 2.0074 looks on a white background.

Color Contrast Check

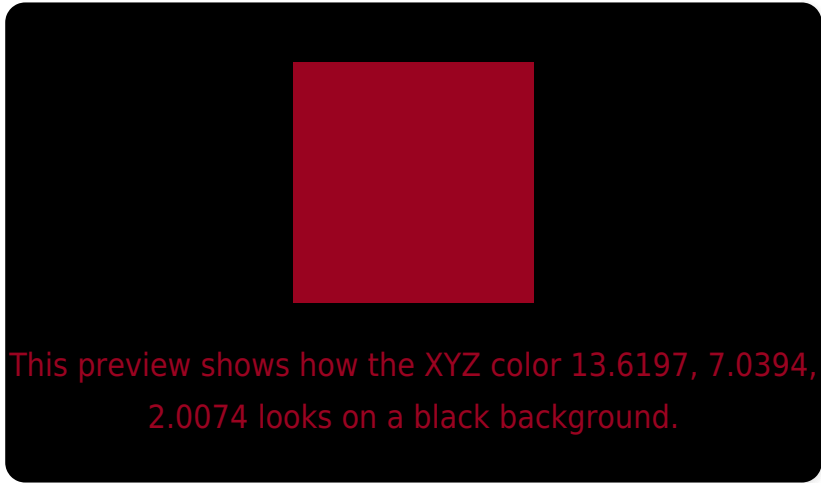
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.6197, 7.0394, 2.0074

Background



This preview shows how black text looks on a background with the XYZ color 13.6197, 7.0394, 2.0074.



This preview shows how white text looks on a background with the XYZ color 13.6197, 7.0394,

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

13.6197, 7.0394, 2.0074

Protanopia

7.0251, 7.6018, 4.0028

Deuteranopia

7.6211, 7.5484, 1.7648



Tritanopia

13.5054, 7.1929, 0.7914

Trichromacy



Original Color

13.6197, 7.0394, 2.0074

Protanomaly

8.0503, 5.8571, 2.9917

Deuteranomaly

8.7036, 6.0356, 1.6260

Tritanomaly

13.5142, 7.1188, 1.0773

Monochromacy



Original Color

13.6197, 7.0394, 2.0074

Achromatopsia

3.1466, 3.3105, 3.6051

Achromatomaly

5.0512, 3.4006, 2.7730

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.6197, 7.0394, 2.0074 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(154, 3, 32)` looks like.

```
.text, #text, p{  
    color:rgb(154, 3, 32)  
}
```

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(154, 3, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 3, 32) }
```

Border

The CSS property to change the border of an element to XYZ 13.6197, 7.0394, 2.0074 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(154, 3, 32) }
```


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

```
.border{ border-color:rgb(154, 3, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 3, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 3, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 3, 32);  
box-shadow:4px 4px 4px 4px rgb(154, 3, 32)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.6197, 7.0394, 2.0074 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 3, 32) }
```

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

```
.background{ background-color: rgb(154, 3,  
32) }
```

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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