

Converting Colors

XYZ(13.2071, 8.6759, 0.0000)

Have a look what the booklet for
XYZ(13.2071, 8.6759, 0.0000)
contains.

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Color

**XYZ(13.4407, 8.7519,
0.9809)**

Conversions

Conversions Part 1

Format	Color
Hex	943400
RGB	148, 52, 0
RGB Percent	58%, 20%, 0%
CMY	0.4196, 0.7961, 1.0000
CMYK	0.00, 0.65, 1.00, 0.42
HSL	21°, 100%, 29%
HSV	21°, 100%, 58%
XYZ	13.4407, 8.7519, 0.9809
YIQ	74.7760, 73.9080, 4.1800

Conversions

Conversions Part 2

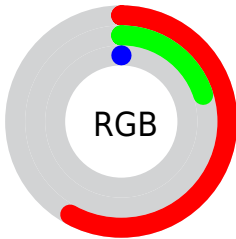
Format	Color
R_YB	148, 80, 0
Decimal	9712640
CIE Lab	35.50, 38.50, 47.18
CIE LCh	36, 60.898, 50.784
Yxy	8.7519, 0.5800, 0.3777
Android (android.graphics.Color)	4287902720 (0xFF943400)
YUV	74.7760, -36.8646, 64.2174
Hunter-Lab	29.5836, 29.3265, 18.7427

Details

The XYZ color **13.4407, 8.7519, 0.9809** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **9.5276, 10.5029, 29.5417**, and the grayscale version is **6.7029, 7.0520, 7.6796**.

A 20% lighter version of the original color is **31.7423, 23.4948, 5.9939**, and **4.1198, 2.1238, 0.1928** is the 20% darker color. If you saturate the color by 10%, you get **13.4408, 8.7523, 0.9809**, and if you desaturate by 10%, it is **13.9987, 9.7323, 1.5853**.

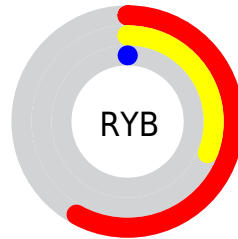
Distribution



Red (58%)

Green (20%)

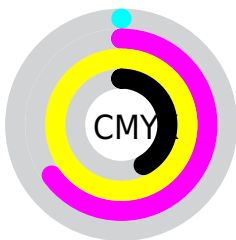
Blue (0%)



Red (58%)

Yellow (31%)

Blue (0%)

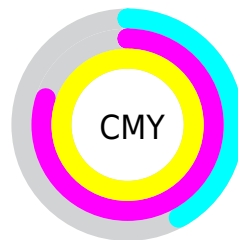


Cyan (0%)

Magenta (65%)

Yellow (100%)

Black (42%)



Cyan (42%)


Magenta (80%)

Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 13.4407, 8.7519, 0.9809 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 13.4407, 8.7519, 0.9809 by changing the saturation by 10% instead.


 13.4407, 8.7519,
0.9809


 13.4407, 8.7519,
0.9809


 207.3041,
181.5161, 103.7201


 7.8118, 4.5797,
0.0000


 31.6879, 23.4198,
5.9978


 4.0255, 2.0028,
0.0000

 45.0369, 34.6843,
11.0679


 1.7166, 0.6091,
0.0000

 61.6900, 49.0818,
18.4038

 0.4666, 0.0000,
0.0000


 82.0125, 66.9965,
28.4241


 0.0000, 0.0000,
0.0000


 106.3698, 88.8129,
41.5474


 135.1273,


114.9153, 58.1921


 168.6503,
145.6883, 78.7769


 13.4407, 8.7519,
0.9809


 13.4407, 8.7519,
0.9809


 13.4408, 8.7523,
0.9809

 13.9987, 9.7323,
1.5853

 14.7082, 10.9202,
2.5344

 15.6028, 12.3366,
3.9815

 16.6976, 13.9944,
5.9863

 18.0062, 15.9053,
8.5999

■ 19.5406, 18.0802,
11.8675

■ 21.3120, 20.5291,
15.8301

■ 23.3307, 23.2618,
20.5252

■ 25.6063, 26.2872,
25.9877

Harmonies

Analogous

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



16.5005, 8.7519, 4.1279



13.4407, 8.7519, 0.9809



9.4637, 8.7519, 0.0768

Triad

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



13.4407, 8.7519, 0.9809



3.2256, 8.7519, 6.7217



10.9918, 8.7519, 42.1240

Complementary

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



13.4407, 8.7519, 0.9809



9.5276, 10.5029, 29.5417

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.



7.2695, 8.7519, 44.9394



13.4407, 8.7519, 0.9809



3.4193, 8.7519, 18.3169

Square

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



13.4407, 8.7519, 0.9809



4.0619, 8.7519, 1.7316



4.6975, 8.7519, 34.2201



14.8295, 8.7519, 28.0765

Rectangle

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



13.4407, 8.7519, 0.9809



7.1021, 8.7519, 0.0971



4.6975, 8.7519, 34.2201



9.6662, 8.7519, 44.6778

Sweetspot

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



13.4409, 8.7524, 0.9810



37.4047, 35.9496, 27.4761



14.3332, 7.1441, 11.7382



8.2562, 7.8181, 5.6336



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.



13.4409, 8.7524, 0.9810



23.5680, 15.1473, 1.6816



19.6478, 21.1663, 3.0500



5.9576, 6.1289, 6.1095



11.5045, 7.5234, 0.8458



0.1666, 0.1436, 0.0189

Inverse Universe

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



9.5276, 10.5029, 29.5417



16.6450, 18.1997, 52.0702



5.6360, 2.7197, 28.2445



5.7943, 6.2227, 7.3654



8.1643, 9.0234, 25.2424



0.1277, 0.1660, 0.3182

Previews

White Background



This preview shows how the XYZ color 13.4407, 8.7519, 0.9809 looks on a white background.

Color Contrast Check

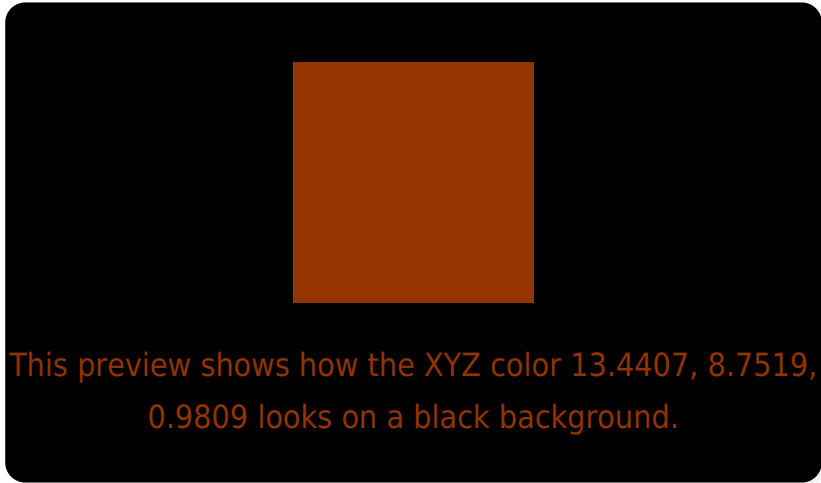
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.4407, 8.7519, 0.9809

Background



This preview shows how black text looks on a background with the XYZ color 13.4407, 8.7519, 0.9809.



This preview shows how white text looks on a background with the XYZ color 13.4407, 8.7519,

0.9809.

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

13.4407, 8.7519, 0.9809

Protanopia

8.0540, 8.9644, 1.7577

Deuteranopia

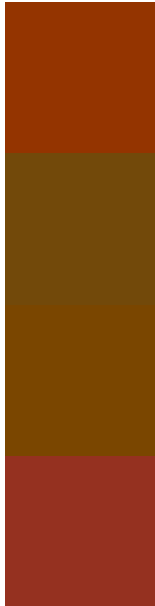
8.9321, 8.8631, 1.2400



Tritanopia

14.0489, 8.7425, 4.0790

Trichromacy



Original Color

13.4407, 8.7519, 0.9809

Protanomaly

9.3768, 8.3644, 1.4074

Deuteranomaly

10.2162, 8.5179, 1.1057

Tritanomaly

13.7535, 8.6905, 2.3190

Monochromacy



Original Color

13.4407, 8.7519, 0.9809

Achromatopsia

6.6877, 7.0360, 7.6622

Achromatomaly

8.0201, 7.0525, 3.7349

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.4407, 8.7519, 0.9809 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, 52, 0)` looks like.

```
.text, #text, p{  
    color:rgb(148, 52, 0)  
}
```

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, 52, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 52, 0) }
```

Border

The CSS property to change the border of an element to XYZ 13.4407, 8.7519, 0.9809 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, 52, 0) }
```


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

```
.border{ border-color:rgb(148, 52, 0) }
```

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

Here you see how a box with a 4 pixel rgb(148, 52, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 52, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 52, 0);  
box-shadow:4px 4px 4px 4px rgb(148, 52, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.4407, 8.7519, 0.9809 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 52, 0) }
```

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

```
.background{ background-color: rgb(148, 52,  
0) }
```

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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