

# Converting Colors

XYZ(13.9329, 8.6236, 0.9302)

Have a look what the booklet for  
XYZ(13.9329, 8.6236, 0.9302)  
contains.

<b>XYZ(13.9259, 8.6294, 0.9317)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(13.9259, 8.6294,  
0.9317)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	982E00
RGB	152, 46, 0
RGB Percent	60%, 18%, 0%
CMY	0.4039, 0.8196, 1.0000
CMYK	0.00, 0.70, 1.00, 0.40
HSL	18°, 100%, 30%
HSV	18°, 100%, 60%
XYZ	13.9259, 8.6294, 0.9317
YIQ	72.4500, 77.9420, 8.1660

# Conversions

## Conversions Part 2

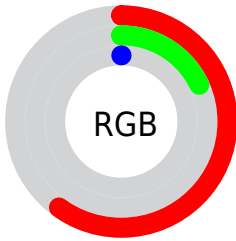
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	152, 66, 0
Decimal	9973248
CIE <sub>Lab</sub>	35.26, 42.64, 47.47
CIE <sub>LCh</sub>	35, 63.807, 48.067
Yxy	8.6294, 0.5929, 0.3674
Android (android.graphics.Color)	4288163328 (0xFF982E00)
YUV	72.4500, -35.7178, 69.7653
Hunter-Lab	29.3758, 33.2119, 18.6826

# Details

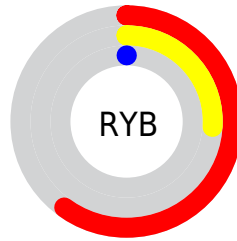
The XYZ color **13.9259, 8.6294, 0.9317** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **10.8210, 12.5740, 31.5622**, and the grayscale version is **6.2883, 6.6157, 7.2045**.

A 20% lighter version of the original color is **32.6750, 23.2618, 5.7854**, and **4.4136, 2.2753, 0.2066** is the 20% darker color. If you saturate the color by 10%, you get **13.9260, 8.6298, 0.9317**, and if you desaturate by 10%, it is **14.4802, 9.5979, 1.5489**.

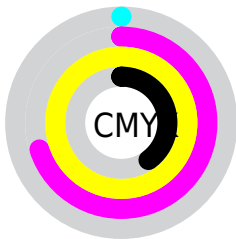
# Distribution



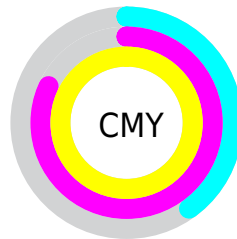
- Red (60%)
- Green (18%)
- Blue (0%)



- Red (60%)
- Yellow (26%)
- Blue (0%)



- Cyan (0%)
- Magenta (70%)
- Yellow (100%)
- Black (40%)




- Cyan (40%)
- Magenta (82%)
- Yellow (100%)

# Brightness & Saturation Gradients


These gradients show how the XYZ color 13.9259, 8.6294, 0.9317 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 13.9259, 8.6294, 0.9317 by changing the saturation by 10% instead.





 13.9259, 8.6294,  
0.9317


 13.9259, 8.6294,  
0.9317


 210.2892,  
180.5886, 102.6134


 8.1505, 4.5003,  
0.0000


 32.5449, 23.1834,  
5.8332


 4.2440, 1.9571,  
0.0000

 46.1191, 34.3770,  
10.8199


 1.8411, 0.5824,  
0.0000

 63.0237, 48.6943,  
18.0553

 0.5422, 0.0000,  
0.0000


 83.6240, 66.5195,  
27.9581


 0.0000, 0.0000,  
0.0000


 108.2854, 88.2372,  
40.9468


 137.3731,


114.2317, 57.4398


 171.2526,  
144.8874, 77.8559


 13.9259, 8.6294,  
0.9317


 13.9259, 8.6294,  
0.9317


 13.9260, 8.6298,  
0.9317

 14.4802, 9.5979,  
1.5489

 15.2077, 10.8100,  
2.5404

 16.1447, 12.2907,  
4.0653

 17.3088, 14.0563,  
6.1879

 18.7156, 16.1217,  
8.9633

■ 20.3791, 18.5007,  
12.4403

■ 22.3122, 21.2062,  
16.6628

■ 24.5268, 24.2502,  
21.6715

■ 27.0342, 27.6443,  
27.5036

# Harmonies

## Analogous

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



16.9819, 8.6294, 4.3923



13.9259, 8.6294, 0.9317



9.7607, 8.6294, 0.0000

# Triad

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



13.9259, 8.6294, 0.9317



3.0290, 8.6294, 5.7849



10.6089, 8.6294, 45.0605

# Complementary

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



13.9259, 8.6294, 0.9317



10.8210, 12.5740, 31.5622

# 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.



6.8187, 8.6294, 46.6823



13.9259, 8.6294, 0.9317



3.1315, 8.6294, 17.2257

# Square

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



13.9259, 8.6294, 0.9317



3.9701, 8.6294, 1.3025



4.3109, 8.6294, 34.1220



14.7052, 8.6294, 30.6119



# Rectangle

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



13.9259, 8.6294, 0.9317



7.2447, 8.6294, 0.0000



4.3109, 8.6294, 34.1220



9.2401, 8.6294, 47.3800

# Sweetspot

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



13.9261, 8.6299, 0.9318



39.1704, 37.1356, 28.9380



15.5712, 7.7244, 14.4154



8.5915, 8.0067, 5.8908



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.



13.9261, 8.6299, 0.9318



24.4422, 14.9550, 1.5983



19.8593, 20.4964, 2.9096



6.3537, 6.5124, 6.5280



11.7014, 7.2852, 0.7894



0.2042, 0.1675, 0.0216



# Inverse Universe

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



10.8210, 12.5740, 31.5622



18.9381, 21.8704, 55.6569



6.1420, 3.2160, 30.0026



6.2267, 6.7108, 7.8961



9.1011, 10.5990, 26.4738



0.1675, 0.2214, 0.4063



# Previews

## White Background



This preview shows how the XYZ color 13.9259, 8.6294, 0.9317 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

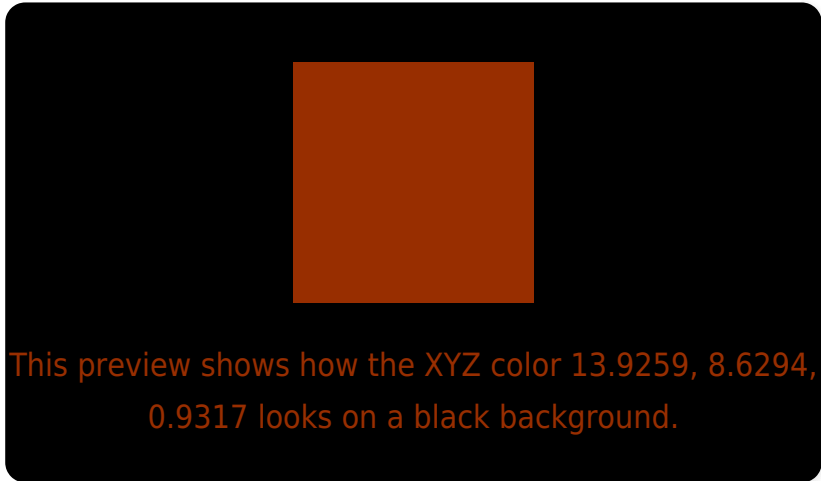
Any Text WCAG AA ✓ Pass

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 13.9259, 8.6294, 0.9317**

## **Background**



This preview shows how black text looks on a background with the XYZ color 13.9259, 8.6294, 0.9317.



This preview shows how white text looks on a background with the XYZ color 13.9259, 8.6294,

0.9317.

# 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

13.9259, 8.6294, 0.9317

### Protanopia

7.9908, 8.8140, 1.8104

### Deuteranopia

8.8125, 8.8015, 1.2344



## Tritanopia

14.4744, 8.6895, 3.3970

# Trichromacy



## Original Color

13.9259, 8.6294, 0.9317

## Protanomaly

9.4530, 8.1175, 1.3852

## Deuteranomaly

10.2355, 8.3452, 1.0713

## Tritanomaly

14.2593, 8.6624, 2.0829

# Monochromacy



## Original Color

13.9259, 8.6294, 0.9317

## Achromatopsia

6.1596, 6.4803, 7.0571

## Achromatomaly

7.6375, 6.5190, 3.4405

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 13.9259, 8.6294, 0.9317 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, 46, 0)` looks like.

```
.text, #text, p{  
    color:rgb(152, 46, 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(152, 46, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 46, 0) }
```

## Border

The CSS property to change the border of an element to XYZ 13.9259, 8.6294, 0.9317 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, 46, 0) }
```



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

```
.border{ border-color:rgb(152, 46, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 46, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 46, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 46, 0);  
box-shadow:4px 4px 4px 4px rgb(152, 46, 0)  
}
```

# Background

The CSS property to change the background color of an element to XYZ 13.9259, 8.6294, 0.9317 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 46, 0) }
```

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

```
.background{ background-color: rgb(152, 46,  
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](#).

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