

Converting Colors

XYZ(13.7732, 7.3228, 0.6875)

Have a look what the booklet for
XYZ(13.7732, 7.3228, 0.6875)
contains.

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Color

**XYZ(13.8542, 7.3558,
0.6896)**

Conversions

Conversions Part 1

Format	Color
Hex	9C0D00
RGB	156, 13, 0
RGB Percent	61%, 5%, 0%
CMY	0.3882, 0.9489, 1.0000
CMYK	0.00, 0.92, 1.00, 0.39
HSL	5°, 100%, 31%
HSV	5°, 100%, 61%
XYZ	13.8542, 7.3558, 0.6896
YIQ	54.2750, 89.4010, 26.2730

Conversions

Conversions Part 2

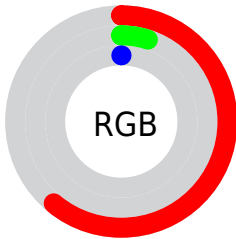
Format	Color
RYB	156, 14, 0
Decimal	10226944
CIELab	32.60, 53.64, 46.35
CIElCh	33, 70.891, 40.829
Yxy	7.3558, 0.6326, 0.3359
Android (android.graphics.Color)	4288417024 (0xFF9C0D00)
YUV	54.2750, -26.7576, 89.2128
Hunter-Lab	27.1216, 43.7183, 17.4776

Details

The XYZ color **13.8542, 7.3558, 0.6896** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **15.8196, 22.0381, 34.8721**, and the grayscale version is **3.5664, 3.7522, 4.0861**.

A 20% lighter version of the original color is **32.4713, 20.7222, 5.0847**, and **4.7193, 2.4329, 0.2209** is the 20% darker color. If you saturate the color by 10%, you get **13.8544, 7.3563, 0.6897**, and if you desaturate by 10%, it is **14.2000, 7.9027, 1.2516**.

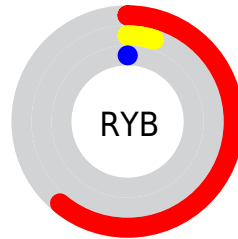
Distribution



Red (61%)

Green (5%)

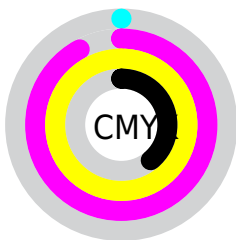
Blue (0%)



Red (61%)

Yellow (5%)

Blue (0%)

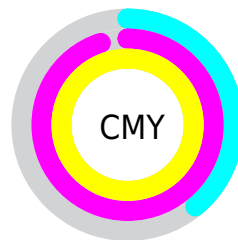


Cyan (0%)

Magenta (92%)

Yellow (100%)

Black (39%)



Cyan (39%)


Magenta (95%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.8542, 7.3558, 0.6896 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 13.8542, 7.3558, 0.6896 by changing the saturation by 10% instead.


 13.8542, 7.3558,
0.6896


 13.8542, 7.3558,
0.6896


 209.8507,
170.5882, 97.2724


 8.1004, 3.6856,
0.0000


 32.4185, 20.6855,
5.0658


 4.2116, 1.4993,
0.0000

 45.9597, 31.1138,
9.6513


 1.8225, 0.2882,
0.0000

 62.8274, 44.5635,
16.4015

 0.5312, 0.0000,
0.0000


 83.3870, 61.4191,
25.7350

 0.0000, 0.0000,
0.0000

 108.0037, 82.0650,
38.0703


 137.0430,


106.8856, 53.8259

 170.8702,
136.2652, 73.4204


 13.8542, 7.3558,
0.6896


 13.8542, 7.3558,
0.6896


 13.8544, 7.3563,
0.6897

 14.2000, 7.9027,
1.2516

 14.7746, 8.7968,
2.2294

 15.6293, 10.0917,
3.7923

 16.7942, 11.8271,
6.0129

 18.2954, 14.0382,
8.9530

■ 20.1563, 16.7563,
12.6676

■ 22.3982, 20.0103,
17.2062

■ 25.0407, 23.8267,
22.6141

■ 28.1019, 28.2304,
28.9335

Harmonies

Analogous

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



16.5361, 7.3558, 4.7650



13.8542, 7.3558, 0.6896



9.5907, 7.3558, 0.0000

Triad

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



13.8542, 7.3558, 0.6896



2.2020, 7.3558, 3.0169



8.4116, 7.3558, 49.1567

Complementary

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



13.8542, 7.3558, 0.6896



15.8196, 22.0381, 34.8721

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.



4.9102, 7.3558, 46.6360



13.8542, 7.3558, 0.6896



2.0806, 7.3558, 12.4675

Square

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



13.8542, 7.3558, 0.6896



3.3020, 7.3558, 0.1799



2.8788, 7.3558, 30.0046



12.7342, 7.3558, 35.3351

Rectangle

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



13.8542, 7.3558, 0.6896



6.8892, 7.3558, 0.0000



2.8788, 7.3558, 30.0046



7.0947, 7.3558, 50.3730

Sweetspot

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



13.8544, 7.3563, 0.6897



40.4203, 35.9658, 30.7189



18.6680, 9.0510, 26.7494



8.5298, 7.3858, 6.0197



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.



13.8544, 7.3563, 0.6897



25.1028, 13.2392, 1.2324



17.4512, 14.5499, 1.8886



6.6754, 6.7308, 6.9330



11.4236, 6.0828, 0.5720



0.2158, 0.1318, 0.0141

Inverse Universe

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



15.8196, 22.0381, 34.8721



28.6630, 39.8875, 63.3151



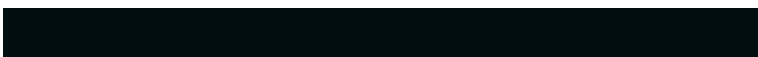
7.8910, 6.1808, 32.2292



6.7745, 7.4147, 8.4808



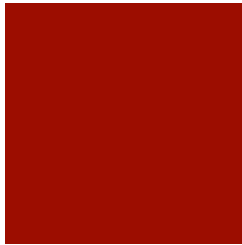
13.0428, 18.1772, 28.7284



0.2457, 0.3500, 0.5178

Previews

White Background



This preview shows how the XYZ color 13.8542, 7.3558, 0.6896 looks on a white background.

Color Contrast Check

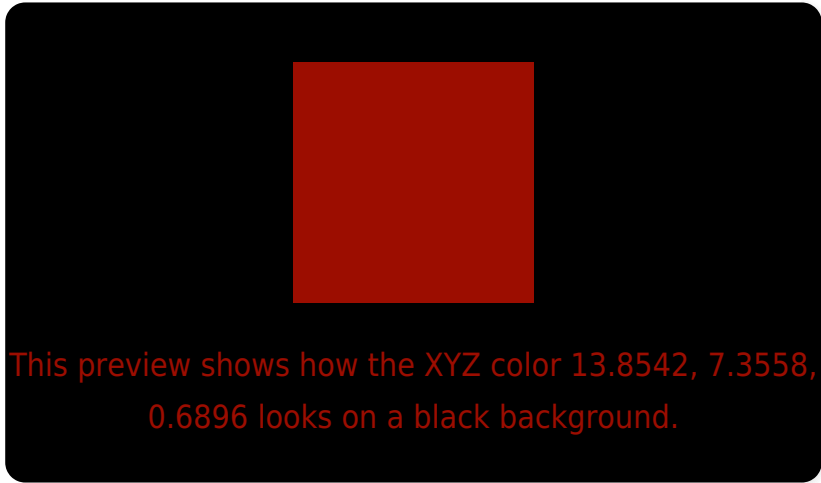
Large Text (above 18pt) WCAG AA ✓ Pass

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

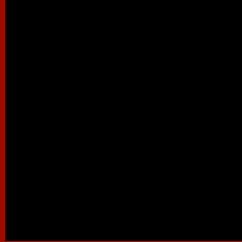
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.8542, 7.3558, 0.6896

Background



This preview shows how black text looks on a background with the XYZ color 13.8542, 7.3558, 0.6896.



This preview shows how white text looks on a background with the XYZ color 13.8542, 7.3558,

0.6896.

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

13.8542, 7.3558, 0.6896

Protanopia

7.0421, 7.7663, 1.7897

Deuteranopia

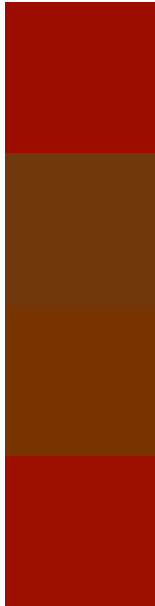
7.7716, 7.7415, 1.0846



Tritanopia

13.8673, 7.3820, 0.6940

Trichromacy



Original Color

13.8542, 7.3558, 0.6896

Protanomaly

8.2489, 6.2721, 1.1567

Deuteranomaly

8.9737, 6.4491, 0.7718

Tritanomaly

13.8673, 7.3820, 0.6940

Monochromacy



Original Color

13.8542, 7.3558, 0.6896

Achromatopsia

3.5063, 3.6889, 4.0173

Achromatomaly

5.3286, 3.7907, 1.9642

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.8542, 7.3558, 0.6896 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(156, 13, 0)` looks like.

```
.text, #text, p{  
    color:rgb(156, 13, 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(156, 13, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 13, 0) }
```

Border

The CSS property to change the border of an element to XYZ 13.8542, 7.3558, 0.6896 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(156, 13, 0) }
```


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

```
.border{ border-color:rgb(156, 13, 0) }
```

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

Here you see how a box with a 4 pixel rgb(156, 13, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 13, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 13, 0);  
box-shadow:4px 4px 4px 4px rgb(156, 13, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.8542, 7.3558, 0.6896 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 13, 0) }
```

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

```
.background{ background-color: rgb(156, 13,  
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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