

Converting Colors

XYZ(13.7889, 9.1310, 7.1298)

Have a look what the booklet for
XYZ(13.7889, 9.1310, 7.1298)
contains.

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Color

**XYZ(13.7882, 9.1449,
7.1693)**

Conversions

Conversions Part 1

Format	Color
Hex	8E3948
RGB	142, 57, 72
RGB Percent	56%, 22%, 28%
CMY	0.4431, 0.7765, 0.7176
CMYK	0.00, 0.60, 0.49, 0.44
HSL	349°, 43%, 39%
HSV	349°, 60%, 56%
XYZ	13.7882, 9.1449, 7.1693
YIQ	84.1250, 45.8450, 22.6850

Conversions

Conversions Part 2

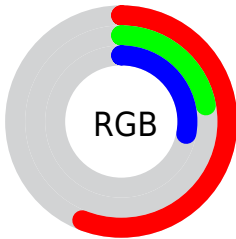
Format	Color
RYB	142, 57, 72
Decimal	9320776
CIELab	36.26, 37.45, 9.35
CIELCh	36, 38.602, 14.010
Yxy	9.1449, 0.4580, 0.3038
Android (android.graphics.Color)	4287510856 (0xFF8E3948)
YUV	84.1250, -5.9776, 50.7564
Hunter-Lab	30.2405, 28.4663, 7.1121

Details

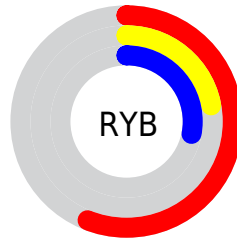
The XYZ color **13.7882, 9.1449, 7.1693** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **15.1917, 21.7485, 23.4774**, and the grayscale version is **8.4583, 8.8988, 9.6907**.

A 20% lighter version of the original color is **32.3059, 24.2233, 20.7422**, and **4.1631, 2.1367, 1.3554** is the 20% darker color. If you saturate the color by 10%, you get **12.8359, 7.7939, 5.1453**, and if you desaturate by 10%, it is **15.0100, 10.9187, 9.6414**.

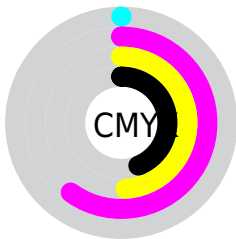
Distribution



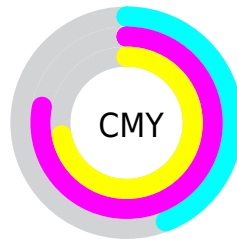
- Red (56%)
- Green (22%)
- Blue (28%)



- Red (56%)
- Yellow (22%)
- Blue (28%)



- Cyan (0%)
- Magenta (60%)
- Yellow (49%)
- Black (44%)





- Cyan (44%)
- Magenta (78%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.7882, 9.1449, 7.1693 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 13.7882, 9.1449, 7.1693 by changing the saturation by 10% instead.


 13.7882, 9.1449,
7.1693


 13.7882, 9.1449,
7.1693

209.4463,
184.4552, 178.7471


 8.0542, 4.8358,
3.4882


 32.3022, 24.1742,
20.8316


 4.1818, 2.1513,
1.3490

 45.8128, 35.6632,
31.6499


 1.8055, 0.6932,
0.1014

 62.6465, 50.3143,
45.6843

 0.5210, 0.0000,
0.0000

 83.1684, 68.5119,
63.3534

 0.0000, 0.0000,
0.0000

 107.7440, 90.6404,
85.0757

 136.7386,

117.0842, 111.2697

170.5176,
148.2277, 142.3540

■ 13.7882, 9.1449,
7.1693

■ 13.7882, 9.1449,
7.1693

■ 12.8359, 7.7939,
5.1453

■ 15.0100, 10.9187,
9.6414

■ 12.1313, 6.8288,
3.5416

■ 16.5191, 13.1450,
12.5862

■ 11.6505, 6.2089,
2.3278

■ 18.3330, 15.8528,
16.0269

■ 11.3355, 5.8264,
1.4594

■ 20.4672, 19.0680,
19.9851

■ 11.3314, 5.8212,
1.4491

■ 22.9363, 22.8148,
24.4811

■ 25.7540, 27.1158,
29.5341

■ 28.9332, 31.9923,
35.1624

■ 32.4862, 37.4645,
41.3833

■ 36.4245, 43.5515,
48.2137

Harmonies

Analogous

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



13.7339, 9.1449, 13.9147



13.7882, 9.1449, 7.1693



12.3180, 9.1449, 3.4499

Triad

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



13.7882, 9.1449, 7.1693



5.9423, 9.1449, 3.2979



7.5183, 9.1449, 28.0211

Complementary

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



13.7882, 9.1449, 7.1693



15.1917, 21.7485, 23.4774

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.



5.8580, 9.1449, 21.7576



13.7882, 9.1449, 7.1693



5.0652, 9.1449, 6.8317

Square

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



13.7882, 9.1449, 7.1693



7.6544, 9.1449, 1.9867



5.0374, 9.1449, 13.3878



9.8192, 9.1449, 28.2498

Rectangle

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



13.7882, 9.1449, 7.1693



10.8008, 9.1449, 2.3152



5.0374, 9.1449, 13.3878



6.8772, 9.1449, 26.4584

Sweetspot

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



13.7884, 9.1454, 7.1695



36.6993, 34.5436, 36.3560



15.0118, 9.3471, 26.6043



7.9613, 7.3590, 7.6875



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



13.7884, 9.1454, 7.1695



22.1340, 13.0488, 7.9605



15.0581, 12.3745, 5.4663



5.4453, 5.4387, 5.8431



10.1791, 5.2287, 1.3284



0.1032, 0.0523, 0.0434

Inverse Universe

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



13.7884, 9.1454, 7.1695



22.1340, 13.0488, 7.9605



12.7105, 15.1038, 27.8367



5.4453, 5.4387, 5.8431



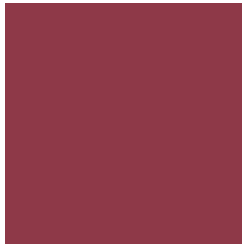
10.1791, 5.2287, 1.3284



0.1032, 0.0523, 0.0434

Previews

White Background



This preview shows how the XYZ color 13.7882, 9.1449, 7.1693 looks on a white background.

Color Contrast Check

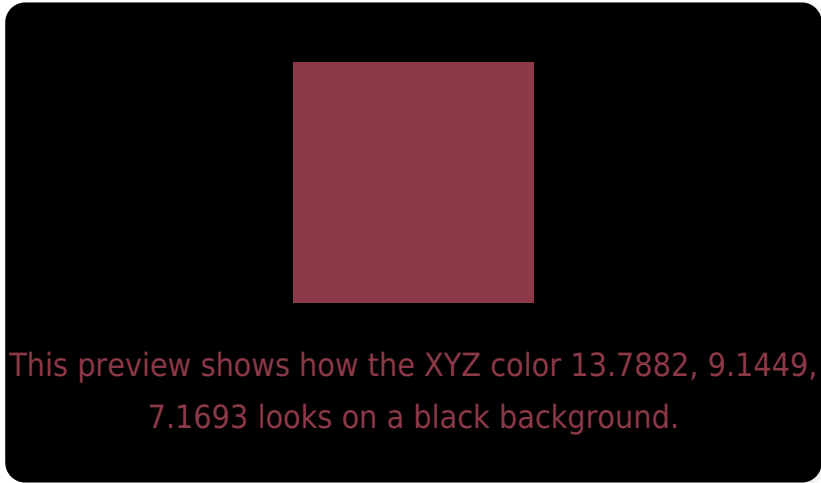
Large Text (above 18pt) WCAG AA ✓ Pass

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

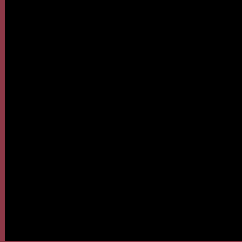
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.7882, 9.1449, 7.1693

Background



This preview shows how black text looks on a background with the XYZ color 13.7882, 9.1449, 7.1693.



This preview shows how white text looks on a background with the XYZ color 13.7882, 9.1449,

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

13.7882, 9.1449, 7.1693

Protanopia

8.9786, 9.3699, 10.3522

Deuteranopia

9.5035, 9.3706, 6.7767



Tritanopia

13.4457, 9.1495, 5.7600

Trichromacy



Original Color

13.7882, 9.1449, 7.1693

Protanomaly

10.1025, 8.7671, 9.1424

Deuteranomaly

10.7254, 9.0402, 6.8099

Tritanomaly

13.4809, 9.0822, 6.1968

Monochromacy



Original Color

13.7882, 9.1449, 7.1693

Achromatopsia

8.4267, 8.8656, 9.6546

Achromatomaly

9.7224, 8.4800, 8.7138

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.7882, 9.1449, 7.1693 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(142, 57, 72)` looks like.

```
.text, #text, p{  
    color:rgb(142, 57, 72)  
}
```

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(142, 57, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 57, 72) }
```

Border

The CSS property to change the border of an element to XYZ 13.7882, 9.1449, 7.1693 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(142, 57, 72) }
```


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

```
.border{ border-color:rgb(142, 57, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 57, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 57, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 57, 72);  
box-shadow:4px 4px 4px 4px rgb(142, 57,  
72) }
```

Background

The CSS property to change the background color of an element to XYZ 13.7882, 9.1449, 7.1693 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 57, 72) }
```

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

```
.background{ background-color: rgb(142, 57,  
72) }
```

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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