

Converting Colors

XYZ(13.5606, 7.9925, 2.8550)

Have a look what the booklet for
XYZ(13.5606, 7.9925, 2.8550)
contains.

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Color

**XYZ(13.4705, 7.9290,
2.8280)**

Conversions

Conversions Part 1

Format	Color
Hex	952628
RGB	149, 38, 40
RGB Percent	58%, 15%, 16%
CMY	0.4157, 0.8509, 0.8431
CMYK	0.00, 0.74, 0.73, 0.42
HSL	359°, 59%, 37%
HSV	359°, 74%, 58%
XYZ	13.4705, 7.9290, 2.8280
YIQ	71.4170, 65.5140, 24.1540

Conversions

Conversions Part 2

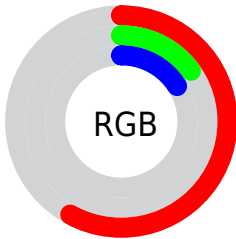
Format	Color
R _Y B	149, 38, 40
Decimal	9774632
CIE Lab	33.83, 45.88, 26.69
CIE LCh	34, 53.082, 30.189
Yxy	7.9290, 0.5560, 0.3273
Android (android.graphics.Color)	4287964712 (0xFF952628)
YUV	71.4170, -15.4886, 68.0403
Hunter-Lab	28.1585, 36.1138, 13.7563

Details

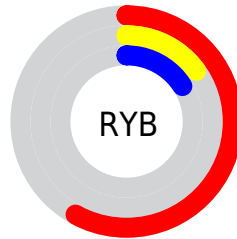
The XYZ color **13.4705, 7.9290, 2.8280** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **16.8140, 24.0137, 31.3555**, and the grayscale version is **6.0782, 6.3948, 6.9639**.

A 20% lighter version of the original color is **31.7613, 21.8655, 11.1408**, and **4.3144, 2.2241, 0.2019** is the 20% darker color. If you saturate the color by 10%, you get **12.8823, 7.0784, 1.6280**, and if you desaturate by 10%, it is **14.3440, 9.1997, 4.5882**.

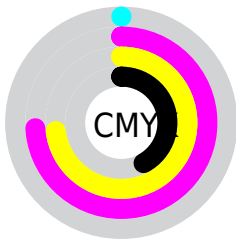
Distribution



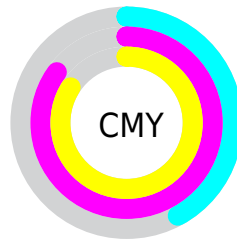
- Red (58%)
- Green (15%)
- Blue (16%)



- Red (58%)
- Yellow (15%)
- Blue (16%)



- Cyan (0%)
- Magenta (74%)
- Yellow (73%)
- Black (42%)



- Cyan (42%)
- Magenta (85%)
- Yellow (84%)
- Black (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.4705, 7.9290, 2.8280 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 13.4705, 7.9290, 2.8280 by changing the saturation by 10% instead.

■ 13.4705, 7.9290,
2.8280

■ 13.4705, 7.9290,
2.8280

207.4886,
175.1741, 134.1389

■ 7.8326, 4.0495,
1.0075

■ 31.7407, 21.8191,
11.2010

■ 4.0389, 1.7013,
0.0000

■ 45.1036, 32.5986,
18.5905

■ 1.7242, 0.4245,
0.0000

■ 61.7723, 46.4469,
28.6735

■ 0.4713, 0.0000,
0.0000

■ 82.1120, 63.7484,
41.8685

■ 0.0000, 0.0000,
0.0000

■ 106.4881, 84.8874,
58.5940

■ 135.2661,

110.2485, 79.2685

168.8111,
140.2159, 104.3106

13.4705, 7.9290,
2.8280

13.4705, 7.9290,
2.8280

12.8823, 7.0784,
1.6280

14.3440, 9.1997,
4.5882

12.5423, 6.5912,
0.9198

15.5323, 10.9336,
6.9653

12.4089, 6.3953,
0.6572

17.0615, 13.1700,
10.0095

18.9552, 15.9436,
13.7655

21.2345, 19.2862,
18.2745

■ 23.9193, 23.2270,
23.5742

■ 27.0279, 27.7932,
29.7002

■ 30.5774, 33.0103,
36.6855

■ 34.5843, 38.9024,
44.5615

Harmonies

Analogous

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



14.6176, 7.9290, 8.5806



13.4705, 7.9290, 2.8280



10.6690, 7.9290, 0.8584

Triad

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



13.4705, 7.9290, 2.8280



3.6537, 7.9290, 2.8717



7.5547, 7.9290, 36.5547

Complementary

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



13.4705, 7.9290, 2.8280



16.8140, 24.0137, 31.3555

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.



5.0860, 7.9290, 31.2886



13.4705, 7.9290, 2.8280



3.2162, 7.9290, 8.6863

Square

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



13.4705, 7.9290, 2.8280



5.0615, 7.9290, 0.8706



3.6651, 7.9290, 19.4379



10.7093, 7.9290, 31.1641

Rectangle

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



13.4705, 7.9290, 2.8280



8.5289, 7.9290, 0.4216



3.6651, 7.9290, 19.4379



6.6238, 7.9290, 35.9459

Sweetspot

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



13.4707, 7.9295, 2.8281



38.9516, 35.8936, 34.5506



17.8480, 9.6037, 29.3464



8.3924, 7.6026, 7.1831



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.



13.4707, 7.9295, 2.8281



22.6401, 12.0587, 2.0212



16.3839, 13.8088, 3.6363



5.8048, 5.8170, 6.0780



10.4452, 5.3831, 0.5595



0.1287, 0.0662, 0.0113

Inverse Universe

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



13.4707, 7.9295, 2.8281



22.6401, 12.0587, 2.0212



10.5179, 11.1692, 30.0349



5.8048, 5.8170, 6.0780



10.4452, 5.3831, 0.5595



0.1287, 0.0662, 0.0113

Previews

White Background



This preview shows how the XYZ color 13.4705, 7.9290, 2.8280 looks on a white background.

Color Contrast Check

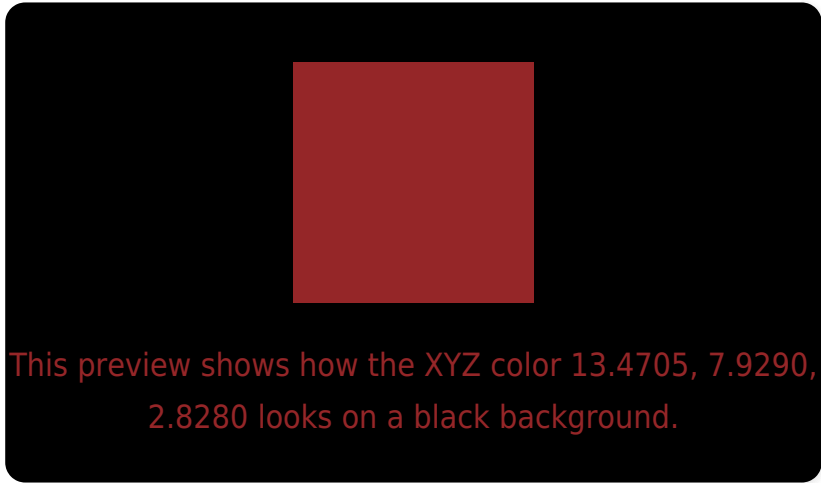
Large Text (above 18pt) WCAG AA ✓ Pass

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

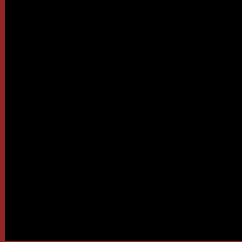
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.4705, 7.9290, 2.8280

Background



This preview shows how black text looks on a background with the XYZ color 13.4705, 7.9290, 2.8280.



This preview shows how white text looks on a background with the XYZ color 13.4705, 7.9290,

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

13.4705, 7.9290, 2.8280

Protanopia

7.6328, 8.2259, 4.6755

Deuteranopia

8.2952, 8.1843, 2.5814



Tritanopia

13.4537, 7.9223, 2.7395

Trichromacy



Original Color

13.4705, 7.9290, 2.8280

Protanomaly

8.8751, 7.3173, 3.8503

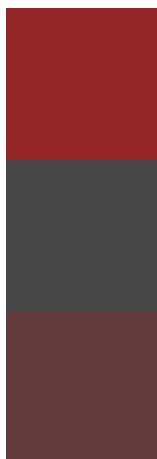
Deuteranomaly

9.5672, 7.5339, 2.6190

Tritanomaly

13.4537, 7.9223, 2.7395

Monochromacy



Original Color

13.4705, 7.9290, 2.8280

Achromatopsia

5.9891, 6.3010, 6.8618

Achromatomaly

7.5252, 6.1068, 5.0571

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.4705, 7.9290, 2.8280 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(149, 38, 40)` looks like.

```
.text, #text, p{  
    color:rgb(149, 38, 40)  
}
```

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(149, 38, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 38, 40) }
```

Border

The CSS property to change the border of an element to XYZ 13.4705, 7.9290, 2.8280 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(149, 38, 40) }
```


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

```
.border{ border-color:rgb(149, 38, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 38, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 38, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 38, 40);  
box-shadow:4px 4px 4px 4px rgb(149, 38,  
40) }
```

Background

The CSS property to change the background color of an element to XYZ 13.4705, 7.9290, 2.8280 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 38, 40) }
```

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

```
.background{ background-color: rgb(149, 38,  
40) }
```

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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