

Converting Colors

XYZ(13.1657, 10.6821, 2.8362)

Have a look what the booklet for
XYZ(13.1657, 10.6821, 2.8362)
contains.

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Color

**XYZ(13.2449, 10.7359,
2.8130)**

Conversions

Conversions Part 1

Format	Color
Hex	894D21
RGB	137, 77, 33
RGB Percent	54%, 30%, 13%
CMY	0.4627, 0.6980, 0.8706
CMYK	0.00, 0.44, 0.76, 0.46
HSL	25°, 61%, 33%
HSV	25°, 76%, 54%
XYZ	13.2449, 10.7359, 2.8130
YIQ	89.9240, 49.8840, -0.9640

Conversions

Conversions Part 2

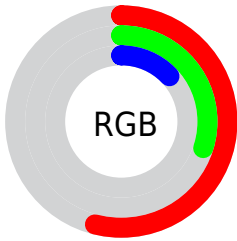
Format	Color
R_{YB}	137, 109, 33
Decimal	8998177
CIE Lab	39.13, 21.58, 35.93
CIE LCh	39, 41.916, 59.005
Yxy	10.7359, 0.4943, 0.4007
Android (android.graphics.Color)	4287188257 (0xFF894D21)
YUV	89.9240, -28.0635, 41.2857
Hunter-Lab	32.7657, 14.8153, 17.8458

Details

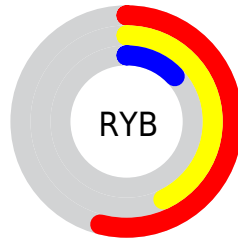
The XYZ color **13.2449, 10.7359, 2.8130** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **9.0566, 9.9576, 25.1114**, and the grayscale version is **9.7545, 10.2625, 11.1759**.

A 20% lighter version of the original color is **31.2855, 27.2273, 11.1959**, and **3.9697, 2.7738, 0.3262** is the 20% darker color. If you saturate the color by 10%, you get **12.5709, 9.6350, 1.8269**, and if you desaturate by 10%, it is **14.0647, 12.0036, 4.2335**.

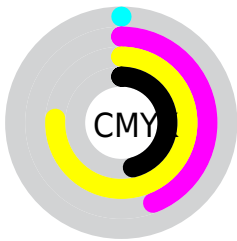
Distribution



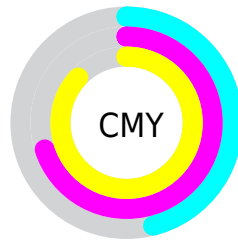
- Red (54%)
- Green (30%)
- Blue (13%)



- Red (54%)
- Yellow (43%)
- Blue (13%)



- Cyan (0%)
- Magenta (44%)
- Yellow (76%)
- Black (46%)





- Cyan (46%)
- Magenta (70%)
- Yellow (87%)
- Black (46%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.2449, 10.7359, 2.8130 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 13.2449, 10.7359, 2.8130 by changing the saturation by 10% instead.


 13.2449, 10.7359,
2.8130


 13.2449, 10.7359,
2.8130


206.0873,
195.8466, 133.9421


 7.6756, 5.8895,
1.0000


 31.3406, 27.1708,
11.1634

 3.9381, 2.7780,
0.0000


 44.5978, 39.5280,
18.5379


 1.6672, 1.0170,
0.0000

 61.1482, 55.1578,
28.6032

 0.4356, 0.0000,
0.0000

 81.3573, 74.4443,
41.7780

 0.0000, 0.0000,
0.0000

 105.5904, 97.7721,
58.4807

 134.2128,

125.5254, 79.1299

167.5900,
158.0888, 104.1442

13.2449, 10.7359,
2.8130

13.2449, 10.7359,
2.8130

12.5709, 9.6350,
1.8269

14.0647, 12.0036,
4.2335

12.0264, 8.6892,
1.2042

15.0405, 13.4444,
6.1331

11.8278, 8.3410,
0.9866

16.1819, 15.0661,
8.5516

17.4976, 16.8755,
11.5245

18.9957, 18.8790,
15.0839

■ 20.6835, 21.0826,
19.2596

■ 22.5681, 23.4922,
24.0794

■ 24.6561, 26.1132,
29.5692

■ 26.9537, 28.9508,
35.7537

Harmonies

Analogous

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



15.6924, 10.7359, 5.6802



13.2449, 10.7359, 2.8130



10.2982, 10.7359, 2.0430

Triad

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



13.2449, 10.7359, 2.8130



5.7015, 10.7359, 11.4232



13.0527, 10.7359, 31.1002

Complementary

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



13.2449, 10.7359, 2.8130



9.0566, 9.9576, 25.1114

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.



10.1107, 10.7359, 34.9700



13.2449, 10.7359, 2.8130



6.1728, 10.7359, 20.9055

Square

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



13.2449, 10.7359, 2.8130



6.2401, 10.7359, 5.3977



7.6685, 10.7359, 30.5877



15.5679, 10.7359, 21.5980

Rectangle

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



13.2449, 10.7359, 2.8130



8.5448, 10.7359, 2.3173



7.6685, 10.7359, 30.5877



12.0655, 10.7359, 33.2536

Sweetspot

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



13.2451, 10.7365, 2.8132



34.7131, 34.7246, 28.7076



12.8658, 7.2083, 11.2247



7.5815, 7.5190, 5.9411



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



13.2451, 10.7365, 2.8132



21.8013, 16.0263, 2.4371



18.3537, 20.9535, 4.5160



5.1955, 5.3738, 5.3158



11.0291, 7.7925, 0.9228



0.0873, 0.0798, 0.0108

Inverse Universe

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



9.0566, 9.9576, 25.1114



13.8524, 14.4479, 44.4418



5.9588, 3.7620, 24.0788



4.9985, 5.3399, 6.3731



6.8248, 6.9198, 23.0216



0.0599, 0.0750, 0.1578

Previews

White Background



This preview shows how the XYZ color 13.2449, 10.7359, 2.8130 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 × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 13.2449, 10.7359, 2.8130

Background



This preview shows how black text looks on a background with the XYZ color 13.2449, 10.7359, 2.8130.



This preview shows how white text looks on a background with the XYZ color 13.2449, 10.7359,

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

13.2449, 10.7359, 2.8130

Protanopia

9.8418, 10.8458, 3.3250

Deuteranopia

10.9265, 10.7862, 2.7343



Tritanopia

14.3400, 10.6738, 8.5122

Trichromacy



Original Color

13.2449, 10.7359, 2.8130

Protanomaly

10.7969, 10.5886, 3.1438

Deuteranomaly

11.7298, 10.7247, 2.7482

Tritanomaly

13.7995, 10.6486, 5.8855

Monochromacy



Original Color

13.2449, 10.7359, 2.8130

Achromatopsia

9.7181, 10.2242, 11.1341

Achromatomaly

10.3861, 10.0525, 7.0231

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.2449, 10.7359, 2.8130 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(137, 77, 33)` looks like.

```
.text, #text, p{  
    color:rgb(137, 77, 33)  
}
```

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(137, 77, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 77, 33) }
```

Border

The CSS property to change the border of an element to XYZ 13.2449, 10.7359, 2.8130 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(137, 77, 33) }
```


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

```
.border{ border-color:rgb(137, 77, 33) }
```

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

Here you see how a box with a 4 pixel rgb(137, 77, 33) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 77, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 77, 33);  
box-shadow:4px 4px 4px 4px rgb(137, 77,  
33) }
```

Background

The CSS property to change the background color of an element to XYZ 13.2449, 10.7359, 2.8130 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 77, 33) }
```

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

```
.background{ background-color: rgb(137, 77,  
33) }
```

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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