

Converting Colors

XYZ(13.6534, 8.6622, 2.8798)

Have a look what the booklet for
XYZ(13.6534, 8.6622, 2.8798)
contains.

XYZ(13.7196, 8.7236, 2.8802)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(13.7196, 8.7236,
2.8802)**

Conversions

Conversions Part 1

Format	Color
Hex	943227
RGB	148, 50, 39
RGB Percent	58%, 20%, 15%
CMY	0.4196, 0.8039, 0.8471
CMYK	0.00, 0.66, 0.74, 0.42
HSL	6°, 58%, 37%
HSV	6°, 74%, 58%
XYZ	13.7196, 8.7236, 2.8802
YIQ	78.0480, 61.9390, 17.3550

Conversions

Conversions Part 2

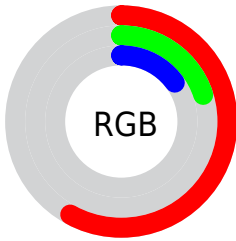
Format	Color
RYB	148, 51, 39
Decimal	9712167
CIELab	35.45, 40.53, 29.11
CIElCh	35, 49.901, 35.686
Yxy	8.7236, 0.5418, 0.3445
Android (android.graphics.Color)	4287902247 (0xFF943227)
YUV	78.0480, -19.2507, 61.3479
Hunter-Lab	29.5357, 31.2272, 14.8933

Details

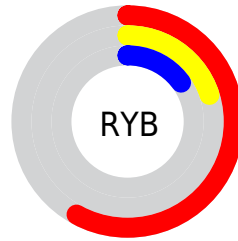
The XYZ color **13.7196, 8.7236, 2.8802** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **15.1269, 20.4592, 31.1687**, and the grayscale version is **7.2780, 7.6571, 8.3386**.

A 20% lighter version of the original color is **32.0255, 23.2286, 11.3900**, and **4.3144, 2.2241, 0.2019** is the 20% darker color. If you saturate the color by 10%, you get **13.0320, 7.6672, 1.6682**, and if you desaturate by 10%, it is **14.6687, 10.1500, 4.6516**.

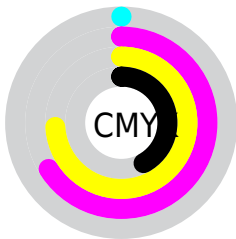
Distribution



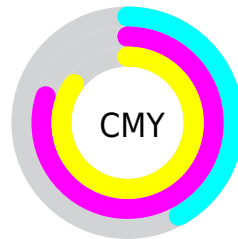
- Red (58%)
- Green (20%)
- Blue (15%)



- Red (58%)
- Yellow (20%)
- Blue (15%)



- Cyan (0%)
- Magenta (66%)
- Yellow (74%)
- Black (42%)





- Cyan (42%)
- Magenta (80%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.7196, 8.7236, 2.8802 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 13.7196, 8.7236, 2.8802 by changing the saturation by 10% instead.


 13.7196, 8.7236,
2.8802


 13.7196, 8.7236,
2.8802


209.0251,
181.3024, 134.8199


 8.0063, 4.5613,
1.0338


 32.1811, 23.3653,
11.3314


 4.1508, 1.9923,
0.0000

 45.6600, 34.6134,
18.7732

 1.7878, 0.6030,
0.0000

 62.4582, 48.9924,
28.9173

 0.5103, 0.0000,
0.0000

 82.9409, 66.8865,
42.1821

 0.0000, 0.0000,
0.0000

 107.4737, 88.6801,
58.9862

 136.4217,

114.7577, 79.7482

170.1504,
145.5037, 104.8866

13.7196, 8.7236,
2.8802

13.7196, 8.7236,
2.8802

13.0320, 7.6672,
1.6682

14.6687, 10.1500,
4.6516

12.5785, 6.9451,
0.9475

15.9017, 11.9750,
7.0388

12.3827, 6.6359,
0.6282

17.4393, 14.2260,
10.0917

19.2999, 16.9276,
13.8552

21.5006, 20.1025,
18.3700

■ 24.0573, 23.7719,
23.6739

■ 26.9848, 27.9557,
29.8021

■ 30.2972, 32.6727,
36.7876

■ 34.0077, 37.9407,
44.6618

Harmonies

Analogous

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



15.2019, 8.7236, 7.9971



13.7196, 8.7236, 2.8802



10.8164, 8.7236, 1.0993

Triad

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



13.7196, 8.7236, 2.8802



4.1650, 8.7236, 4.3089



8.8586, 8.7236, 36.0471

Complementary

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



13.7196, 8.7236, 2.8802



15.1269, 20.4592, 31.1687

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.



6.1938, 8.7236, 32.8773



13.7196, 8.7236, 2.8802



3.8757, 8.7236, 11.1770

Square

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



13.7196, 8.7236, 2.8802



5.4361, 8.7236, 1.5212



4.5254, 8.7236, 22.2547



12.0042, 8.7236, 29.3752

Rectangle

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



13.7196, 8.7236, 2.8802



8.7197, 8.7236, 0.7939



4.5254, 8.7236, 22.2547



7.8776, 8.7236, 36.1286

Sweetspot

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



13.7198, 8.7241, 2.8803



38.4482, 36.2056, 33.4690



17.4608, 9.5560, 24.6287



8.5447, 7.9309, 7.1612



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.



13.7198, 8.7241, 2.8803



22.4598, 12.6842, 2.0725



17.5696, 16.4238, 4.1636



5.8451, 5.9041, 6.0720



10.5874, 5.6892, 0.5401



0.1389, 0.0882, 0.0097

Inverse Universe

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



15.1269, 20.4592, 31.1687



24.9695, 34.3258, 54.7441



9.2448, 8.6950, 29.2080



5.9146, 6.4632, 7.4055



11.7480, 16.1908, 26.4370



0.1554, 0.2214, 0.3275

Previews

White Background



This preview shows how the XYZ color 13.7196, 8.7236, 2.8802 looks on a white background.

Color Contrast Check

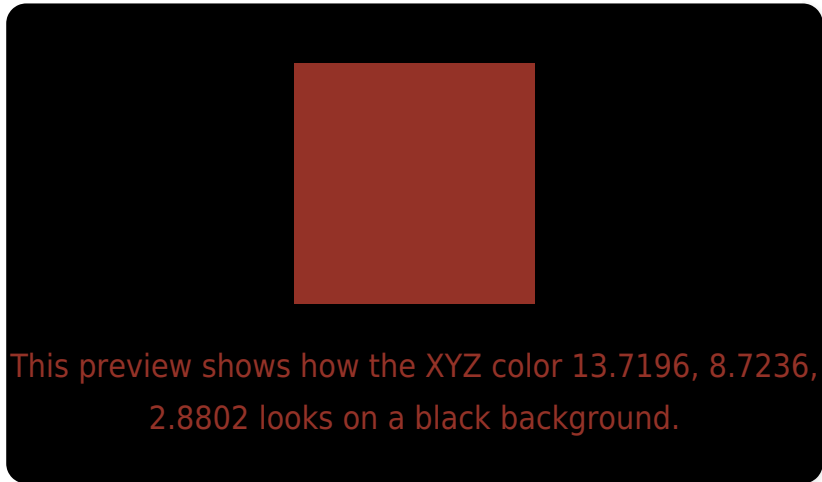
Large Text (above 18pt) WCAG AA ✓ Pass

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

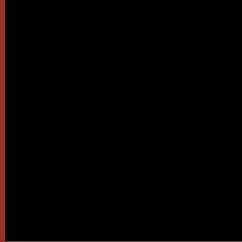
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.7196, 8.7236, 2.8802

Background



This preview shows how black text looks on a background with the XYZ color 13.7196, 8.7236, 2.8802.



This preview shows how white text looks on a background with the XYZ color 13.7196, 8.7236,

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

13.7196, 8.7236, 2.8802

Protanopia

8.1597, 8.8462, 4.2950

Deuteranopia

8.9689, 8.8504, 2.6744



Tritanopia

13.8672, 8.6488, 4.0705

Trichromacy



Original Color

13.7196, 8.7236, 2.8802

Protanomaly

9.4926, 8.2767, 3.6820

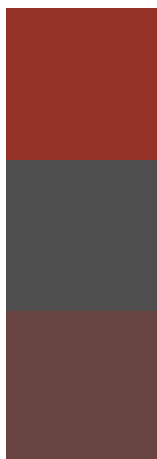
Deuteranomaly

10.3167, 8.4425, 2.6759

Tritanomaly

13.8241, 8.6978, 3.6395

Monochromacy



Original Color

13.7196, 8.7236, 2.8802

Achromatopsia

7.2414, 7.6185, 8.2966

Achromatomaly

8.5861, 7.3880, 5.8240

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.7196, 8.7236, 2.8802 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(148, 50, 39)` looks like.

```
.text, #text, p{  
    color:rgb(148, 50, 39)  
}
```

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(148, 50, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 50, 39) }
```

Border

The CSS property to change the border of an element to XYZ 13.7196, 8.7236, 2.8802 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(148, 50, 39) }
```


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

```
.border{ border-color:rgb(148, 50, 39) }
```

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

Here you see how a box with a 4 pixel rgb(148, 50, 39) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 50, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 50, 39);  
box-shadow:4px 4px 4px 4px rgb(148, 50,  
39) }
```

Background

The CSS property to change the background color of an element to XYZ 13.7196, 8.7236, 2.8802 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 50, 39) }
```

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

```
.background{ background-color: rgb(148, 50,  
39) }
```

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