

Converting Colors

XYZ(13.1800, 10.7100, 2.4712)

Have a look what the booklet for
XYZ(13.1800, 10.7100, 2.4712)
contains.

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Color

**XYZ(13.1800, 10.7100,
2.4712)**

Conversions

Conversions Part 1

Format	Color
Hex	894D1C
RGB	137, 77, 28
RGB Percent	54%, 30%, 11%
CMY	0.4627, 0.6980, 0.8902
CMYK	0.00, 0.44, 0.80, 0.46
HSL	27°, 66%, 32%
HSV	27°, 80%, 54%
XYZ	13.1800, 10.7100, 2.4712
YIQ	89.3540, 51.4890, -2.5190

Conversions

Conversions Part 2

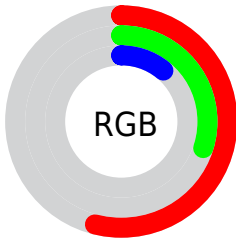
Format	Color
R _Y B	137, 117, 28
Decimal	8998172
CIE Lab	39.09, 21.35, 38.35
CIE LCh	39, 43.896, 60.894
Yxy	10.7100, 0.5000, 0.4063
Android (android.graphics.Color)	4287188252 (0xFF894D1C)
YUV	89.3540, -30.2475, 41.7855
Hunter-Lab	32.7261, 14.6177, 18.4312

Details

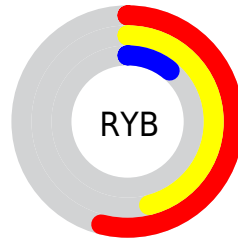
The XYZ color **13.1800, 10.7100, 2.4712** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **8.4837, 9.0319, 24.9628**, and the grayscale version is **9.6315, 10.1331, 11.0349**.

A 20% lighter version of the original color is **31.3650, 27.2888, 10.2708**, and **3.9697, 2.7738, 0.3262** is the 20% darker color. If you saturate the color by 10%, you get **12.5545, 9.6644, 1.6300**, and if you desaturate by 10%, it is **13.9418, 11.9090, 3.7265**.

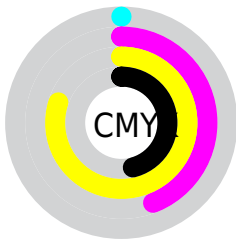
Distribution



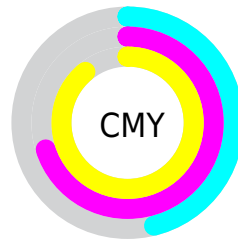
- Red (54%)
- Green (30%)
- Blue (11%)



- Red (54%)
- Yellow (46%)
- Blue (11%)



- Cyan (0%)
- Magenta (44%)
- Yellow (80%)
- Black (46%)





- Cyan (46%)
- Magenta (70%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.1800, 10.7100, 2.4712 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 13.1800, 10.7100, 2.4712 by changing the saturation by 10% instead.


 13.1800, 10.7100,
2.4712


 13.1800, 10.7100,
2.4712


205.6824,
195.6670, 129.3110


 7.6305, 5.8722,
0.8248


 31.2254, 27.1226,
10.2931


 3.9092, 2.7675,
0.0000

 44.4519, 39.4663,
17.3122


 1.6509, 1.0116,
0.0000

 60.9681, 55.0806,
26.9617

 0.4252, 0.0000,
0.0000

 81.1394, 74.3501,
39.6598

 0.0000, 0.0000,
0.0000

 105.3312, 97.6591,
55.8253

 133.9087,

125.3919, 75.8767

167.2373,
157.9331, 100.2324

13.1800, 10.7100,
2.4712

13.1800, 10.7100,
2.4712

12.5545, 9.6644,
1.6300

13.9418, 11.9090,
3.7265

12.0382, 8.7565,
1.0730

14.8503, 13.2672,
5.4433

12.0169, 8.7193,
1.0496

15.9152, 14.7922,
7.6631

17.1453, 16.4902,
10.4228

18.5484, 18.3672,
13.7554

■ 20.1320, 20.4288,
17.6915

■ 21.9030, 22.6805,
22.2594

■ 23.8678, 25.1272,
27.4857

■ 26.0326, 27.7740,
33.3954

Harmonies

Analogous

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



15.8333, 10.7100, 5.1737



13.1800, 10.7100, 2.4712



10.0917, 10.7100, 1.8148

Triad

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



13.1800, 10.7100, 2.4712



5.5138, 10.7100, 11.9156



13.3622, 10.7100, 31.7658

Complementary

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



13.1800, 10.7100, 2.4712



8.4837, 9.0319, 24.9628

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.



10.2679, 10.7100, 36.4495



13.1800, 10.7100, 2.4712



6.0629, 10.7100, 22.0891

Square

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



13.1800, 10.7100, 2.4712



6.0007, 10.7100, 5.4322



7.6729, 10.7100, 32.2606



15.9519, 10.7100, 21.4266

Rectangle

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



13.1800, 10.7100, 2.4712



8.2959, 10.7100, 2.1395



7.6729, 10.7100, 32.2606



12.3287, 10.7100, 34.2274

Sweetspot

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



13.1802, 10.7106, 2.4714



34.6029, 34.7082, 28.0416



12.5673, 6.8831, 10.2872



7.5677, 7.5319, 5.8116



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.



13.1802, 10.7106, 2.4714



21.7852, 16.0664, 2.2092



18.4732, 21.2964, 4.2357



5.2059, 5.3947, 5.3193



11.2055, 8.1455, 0.9816



0.0887, 0.0827, 0.0113

Inverse Universe

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



8.4837, 9.0319, 24.9628



12.9752, 12.8466, 44.1789



5.6032, 3.2709, 24.0027



4.9878, 5.3186, 6.3696



6.5877, 6.4457, 22.9426



0.0584, 0.0721, 0.1573

Previews

White Background



This preview shows how the XYZ color 13.1800, 10.7100, 2.4712 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



This preview shows how the XYZ color 13.1800, 10.7100, 2.4712 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

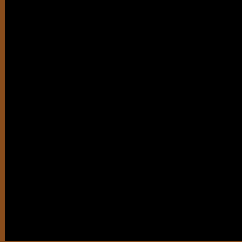
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.1800, 10.7100, 2.4712

Background



This preview shows how black text looks on a background with the XYZ color 13.1800, 10.7100, 2.4712.



This preview shows how white text looks on a background with the XYZ color 13.1800, 10.7100,

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

13.1800, 10.7100, 2.4712

Protanopia

9.8840, 10.8760, 2.9448

Deuteranopia

10.8571, 10.7584, 2.3685



Tritanopia

14.3044, 10.6595, 8.3247

Trichromacy



Original Color

13.1800, 10.7100, 2.4712

Protanomaly

10.8580, 10.6283, 2.7755

Deuteranomaly

11.6580, 10.6959, 2.3698

Tritanomaly

13.7194, 10.6166, 5.4638

Monochromacy



Original Color

13.1800, 10.7100, 2.4712

Achromatopsia

9.4954, 9.9899, 10.8790

Achromatomaly

10.2055, 9.9664, 6.6960

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.1800, 10.7100, 2.4712 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, 28)` looks like.

```
.text, #text, p{  
    color:rgb(137, 77, 28)  
}
```

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, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 77, 28) }
```

Border

The CSS property to change the border of an element to XYZ 13.1800, 10.7100, 2.4712 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, 28) }
```


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

```
.border{ border-color:rgb(137, 77, 28) }
```

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, 28)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 77, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 77, 28);  
box-shadow:4px 4px 4px 4px rgb(137, 77,  
28) }
```

Background

The CSS property to change the background color of an element to XYZ 13.1800, 10.7100, 2.4712 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, 28) }
```

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

```
.background{ background-color: rgb(137, 77,  
28) }
```

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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