

Converting Colors

XYZ(13.3736, 13.0541, 2.5557)

Have a look what the booklet for
XYZ(13.3736, 13.0541, 2.5557)
contains.

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Color

**XYZ(13.3810, 13.0908,
2.5806)**

Conversions

Conversions Part 1

Format	Color
Hex	816016
RGB	129, 96, 22
RGB Percent	51%, 38%, 9%
CMY	0.4941, 0.6235, 0.9137
CMYK	0.00, 0.26, 0.83, 0.49
HSL	41°, 71%, 30%
HSV	41°, 83%, 51%
XYZ	13.3810, 13.0908, 2.5806
YIQ	97.4310, 43.4220, -16.0180

Conversions

Conversions Part 2

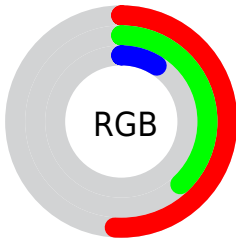
Format	Color
R_{YB}	70, 129, 22
Decimal	8478742
CIE Lab	42.90, 6.23, 44.10
CIE LCh	43, 44.540, 81.960
Yxy	13.0908, 0.4606, 0.4506
Android (android.graphics.Color)	4286668822 (0xFF816016)
YUV	97.4310, -37.1875, 27.6860
Hunter-Lab	36.1812, 2.6980, 21.0980

Details

The XYZ color **13.3810, 13.0908, 2.5806** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **5.6596, 4.4879, 21.3368**, and the grayscale version is **11.5503, 12.1518, 13.2333**.

A 20% lighter version of the original color is **31.4562, 31.3399, 10.5222**, and **4.1211, 3.8177, 0.5197** is the 20% darker color. If you saturate the color by 10%, you get **12.9325, 12.3458, 1.9628**, and if you desaturate by 10%, it is **13.9106, 13.8987, 3.5321**.

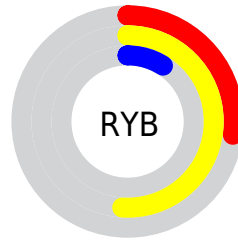
Distribution



 Red (51%)

 Green (38%)

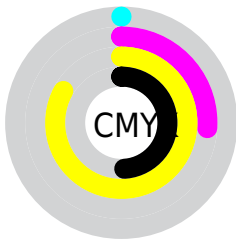
 Blue (9%)



 Red (27%)

 Yellow (51%)

 Blue (9%)

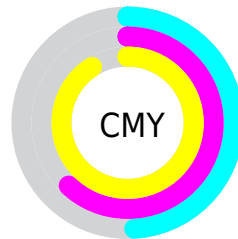



 Cyan (0%)


 Magenta (26%)

 Yellow (83%)

 Black (49%)



 Cyan (49%)


 Magenta (62%)


 Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.3810, 13.0908, 2.5806 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 13.3810, 13.0908, 2.5806 by changing the saturation by 10% instead.


 13.3810, 13.0908,
2.5806


 13.3810, 13.0908,
2.5806


206.9338,
211.4988, 130.8254


 7.7702, 7.4911,
0.8824


 31.5821, 31.4668,
10.5747


 3.9988, 3.7711,
0.0000

 44.9032, 45.0119,
17.7100


 1.7015, 1.5464,
0.0000

 61.5250, 61.9743,
27.4955

 0.4572, 0.3210,
0.0000

 81.8130, 82.7383,
40.3498

 0.0000, 0.0000,
0.0000

 106.1326,
107.6884, 56.6914

 134.8490,

137.2089, 76.9388

168.3276,
171.6842, 101.5106

13.3810, 13.0908,
2.5806

13.3810, 13.0908,
2.5806

12.9325, 12.3458,
1.9628

13.9106, 13.8987,
3.5321

12.6438, 11.8482,
1.6205

14.5290, 14.7715,
4.8605

15.2436, 15.7129,
6.6026

16.0609, 16.7261,
8.7907

16.9866, 17.8136,
11.4539

■ 18.0259, 18.9780,
14.6188

■ 19.1838, 20.2217,
18.3100

■ 20.4648, 21.5468,
22.5505

■ 21.8733, 22.9554,
27.3619

Harmonies

Analogous

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



16.9297, 13.0908, 3.9976



13.3810, 13.0908, 2.5806



10.1507, 13.0908, 2.9757

Triad

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



13.3810, 13.0908, 2.5806



7.3035, 13.0908, 22.4804



18.3454, 13.0908, 29.2154

Complementary

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



13.3810, 13.0908, 2.5806



5.6596, 4.4879, 21.3368

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.



15.0555, 13.0908, 39.6825



13.3810, 13.0908, 2.5806



8.8276, 13.0908, 34.7143

Square

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



13.3810, 13.0908, 2.5806



7.0193, 13.0908, 11.7881



11.5488, 13.0908, 42.0564



20.1183, 13.0908, 17.0410

Rectangle

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



13.3810, 13.0908, 2.5806



8.5574, 13.0908, 4.3614



11.5488, 13.0908, 42.0564



17.3546, 13.0908, 33.2430

Sweetspot

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



13.3813, 13.0914, 2.5809



31.7683, 33.4209, 24.5914



10.0512, 5.5255, 4.2635



7.0662, 7.4258, 5.1857



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



13.3813, 13.0914, 2.5809



22.5038, 20.9406, 2.8559



14.3491, 19.0341, 3.6769



4.5569, 4.8026, 4.6069



12.3316, 11.5597, 1.5813



0.0000, 0.0000, 0.0000

Inverse Universe

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



5.6596, 4.4879, 21.3368



8.3195, 5.2856, 37.7742



5.1888, 2.6432, 21.0056



4.2087, 4.4113, 5.4429



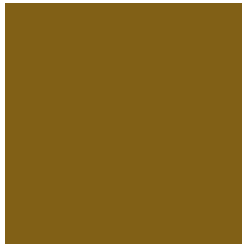
4.5995, 3.0175, 20.5900



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 13.3810, 13.0908, 2.5806 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 13.3810, 13.0908, 2.5806 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 13.3810, 13.0908, 2.5806

Background



This preview shows how black text looks on a background with the XYZ color 13.3810, 13.0908, 2.5806.



This preview shows how white text looks on a background with the XYZ color 13.3810, 13.0908,

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

13.3810, 13.0908, 2.5806

Protanopia

11.8557, 13.1461, 2.7767

Deuteranopia

13.2298, 13.0129, 2.5735



Tritanopia

15.3566, 12.9758, 12.7615

Trichromacy



Original Color

13.3810, 13.0908, 2.5806

Protanomaly

12.3196, 13.0981, 2.6895

Deuteranomaly

13.2298, 13.0129, 2.5735

Tritanomaly

14.4170, 12.9895, 7.3776

Monochromacy



Original Color

13.3810, 13.0908, 2.5806

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

11.6869, 12.2428, 7.5415

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.3810, 13.0908, 2.5806 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(129, 96, 22)` looks like.

```
.text, #text, p{  
    color:rgb(129, 96, 22)  
}
```

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(129, 96, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 96, 22) }
```

Border

The CSS property to change the border of an element to XYZ 13.3810, 13.0908, 2.5806 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(129, 96, 22) }
```


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

```
.border{ border-color:rgb(129, 96, 22) }
```

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

Here you see how a box with a 4 pixel rgb(129, 96, 22) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 96, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 96, 22);  
box-shadow:4px 4px 4px 4px rgb(129, 96,  
22) }
```

Background

The CSS property to change the background color of an element to XYZ 13.3810, 13.0908, 2.5806 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 96, 22) }
```

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

```
.background{ background-color: rgb(129, 96,  
22) }
```

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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