

Converting Colors

XYZ(12.9608, 12.8809, 0.0000)

Have a look what the booklet for
XYZ(12.9608, 12.8809, 0.0000)
contains.

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Color

**XYZ(13.3888, 13.1116,
1.8251)**

Conversions

Conversions Part 1

Format	Color
Hex	826000
RGB	130, 96, 0
RGB Percent	51%, 38%, 0%
CMY	0.4902, 0.6235, 1.0000
CMYK	0.00, 0.26, 1.00, 0.49
HSL	44°, 100%, 25%
HSV	44°, 100%, 51%
XYZ	13.3888, 13.1116, 1.8251
YIQ	95.2220, 51.0800, -22.6480

Conversions

Conversions Part 2

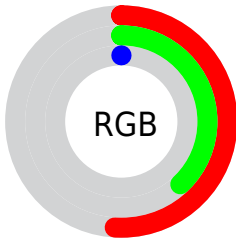
Format	Color
R_{YB}	46, 130, 0
Decimal	8544256
CIE Lab	42.93, 6.15, 50.42
CIE LCh	43, 50.794, 83.050
Yxy	13.1116, 0.4727, 0.4629
Android (android.graphics.Color)	4286734336 (0xFF826000)
YUV	95.2220, -46.9444, 30.5003
Hunter-Lab	36.2099, 2.6338, 22.3585

Details

The XYZ color **13.3888, 13.1116, 1.8251** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **4.6013, 2.7557, 21.4083**, and the grayscale version is **11.0316, 11.6061, 12.6390**.

A 20% lighter version of the original color is **31.5618, 31.4383, 8.5424**, and **4.1211, 3.8177, 0.5197** is the 20% darker color. If you saturate the color by 10%, you get **13.3890, 13.1121, 1.8252**, and if you desaturate by 10%, it is **13.7787, 13.7752, 2.3136**.

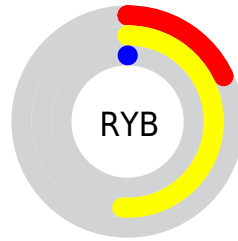
Distribution



Red (51%)

Green (38%)

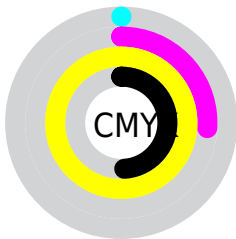
Blue (0%)



Red (18%)

Yellow (51%)

Blue (0%)

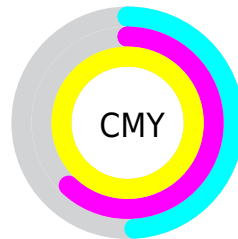


Cyan (0%)

Magenta (26%)

Yellow (100%)

Black (49%)



Cyan (49%)


Magenta (62%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.3888, 13.1116, 1.8251 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 13.3888, 13.1116, 1.8251 by changing the saturation by 10% instead.


 13.3888, 13.1116,
1.8251


 13.3888, 13.1116,
1.8251


 206.9822,
211.6317, 119.5990


 7.7757, 7.5054,
0.4444


 31.5959, 31.5041,
8.5569


 4.0023, 3.7802,
0.0000

 44.9206, 45.0593,
14.8329


 1.7035, 1.5514,
0.0000

 61.5466, 62.0329,
23.6071

 0.4584, 0.3245,
0.0000

 81.8391, 82.8094,
35.2979


 0.0000, 0.0000,
0.0000


 106.1636,
107.7731, 50.3240


 134.8854,


137.3085, 69.1038


 168.3698,
171.7998, 92.0560


 13.3888, 13.1116,
1.8251


 13.3888, 13.1116,
1.8251


 13.3890, 13.1121,
1.8252

 13.7787, 13.7752,
2.3136

 14.2230, 14.4818,
3.0231

 14.7471, 15.2422,
4.0846

 15.3589, 16.0600,
5.5397

 16.0655, 16.9382,
7.4243

■ 16.8729, 17.8795,
9.7702

■ 17.7869, 18.8864,
12.6063

■ 18.8127, 19.9612,
15.9590

■ 19.9549, 21.1061,
19.8528

Harmonies

Analogous

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



17.5179, 13.1116, 3.0912



13.3888, 13.1116, 1.8251



9.7582, 13.1116, 2.2480

Triad

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



13.3888, 13.1116, 1.8251



6.7712, 13.1116, 24.4075



19.4424, 13.1116, 31.4015

Complementary

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



13.3888, 13.1116, 1.8251



4.6013, 2.7557, 21.4083

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.



15.6245, 13.1116, 44.4298



13.3888, 13.1116, 1.8251



8.4868, 13.1116, 39.1333

Square

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



13.3888, 13.1116, 1.8251



6.4167, 13.1116, 11.8393



11.5793, 13.1116, 47.8211



21.4538, 13.1116, 17.0267

Rectangle

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



13.3888, 13.1116, 1.8251



8.0237, 13.1116, 3.6500



11.5793, 13.1116, 47.8211



18.2940, 13.1116, 36.3339

Sweetspot

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



13.3891, 13.1123, 1.8254



31.2085, 33.1360, 21.8314



9.5044, 4.8653, 2.0027



6.9322, 7.3571, 4.5270



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.



13.3891, 13.1123, 1.8254



23.4561, 22.8452, 3.1733



13.2014, 18.6555, 2.9052



4.5732, 4.8351, 4.6124



12.8437, 12.5839, 1.7520



0.0000, 0.0000, 0.0000

Inverse Universe

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



4.6013, 2.7557, 21.4083



7.9970, 4.6407, 37.6667



4.5746, 1.8929, 21.2432



4.1932, 4.3805, 5.4378



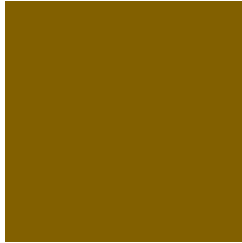
4.4169, 2.6522, 20.5291



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 13.3888, 13.1116, 1.8251 looks on a white background.

Color Contrast Check

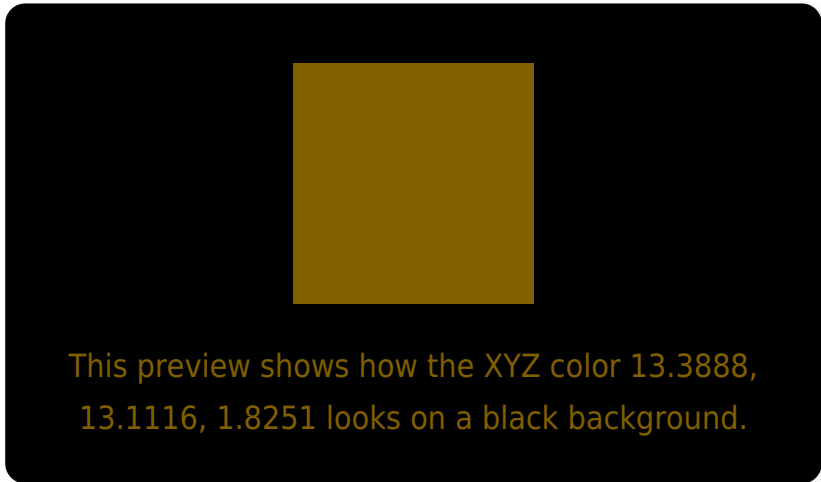
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.3888, 13.1116, 1.8251

Background



This preview shows how black text looks on a background with the XYZ color 13.3888, 13.1116, 1.8251.



This preview shows how white text looks on a background with the XYZ color 13.3888, 13.1116,

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

13.3888, 13.1116, 1.8251

Protanopia

11.8600, 13.1629, 2.1166

Deuteranopia

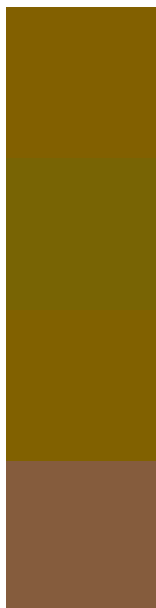
13.3280, 13.2165, 1.8486



Tritanopia

15.6754, 13.1402, 12.7765

Trichromacy



Original Color

13.3888, 13.1116, 1.8251

Protanomaly

12.3248, 13.1162, 1.9970

Deuteranomaly

13.3280, 13.2165, 1.8486

Tritanomaly

14.3423, 12.9778, 6.1639

Monochromacy



Original Color

13.3888, 13.1116, 1.8251

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

11.0922, 11.6988, 5.9484

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.3888, 13.1116, 1.8251 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(130, 96, 0)` looks like.

```
.text, #text, p{  
    color:rgb(130, 96, 0)  
}
```

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(130, 96, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 96, 0) }
```

Border

The CSS property to change the border of an element to XYZ 13.3888, 13.1116, 1.8251 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(130, 96, 0) }
```


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

```
.border{ border-color:rgb(130, 96, 0) }
```

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

Here you see how a box with a 4 pixel rgb(130, 96, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 96, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 96, 0);  
box-shadow:4px 4px 4px 4px rgb(130, 96, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.3888, 13.1116, 1.8251 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 96, 0) }
```

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

```
.background{ background-color: rgb(130, 96,  
0) }
```

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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