

Converting Colors

XYZ(12.8211, 10.9329, 0.0000)

Have a look what the booklet for
XYZ(12.8211, 10.9329, 0.0000)
contains.

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Color

**XYZ(13.0220, 10.9716,
1.4314)**

Conversions

Conversions Part 1

Format	Color
Hex	885000
RGB	136, 80, 0
RGB Percent	53%, 31%, 0%
CMY	0.4667, 0.6863, 1.0000
CMYK	0.00, 0.41, 1.00, 0.47
HSL	35°, 100%, 27%
HSV	35°, 100%, 53%
XYZ	13.0220, 10.9716, 1.4314
YIQ	87.6240, 59.0560, -13.0080

Conversions

Conversions Part 2

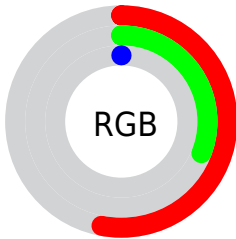
Format	Color
RYB	95, 136, 0
Decimal	8933376
CIELab	39.53, 18.40, 48.54
CIElCh	40, 51.912, 69.245
Yxy	10.9716, 0.5122, 0.4315
Android (android.graphics.Color)	4287123456 (0xFF885000)
YUV	87.6240, -43.1986, 42.4258
Hunter-Lab	33.1234, 12.2088, 20.6242

Details

The XYZ color **13.0220, 10.9716, 1.4314** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **5.8580, 4.6058, 23.8725**, and the grayscale version is **9.2763, 9.7594, 10.6280**.

A 20% lighter version of the original color is **30.8122, 27.4554, 7.4168**, and **3.9093, 2.9075, 0.3552** is the 20% darker color. If you saturate the color by 10%, you get **13.0221, 10.9720, 1.4315**, and if you desaturate by 10%, it is **13.5261, 11.8574, 1.9773**.

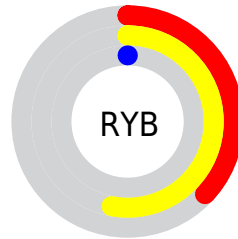
Distribution



Red (53%)

Green (31%)

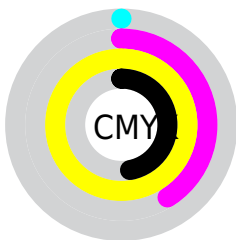
Blue (0%)



Red (37%)

Yellow (53%)

Blue (0%)

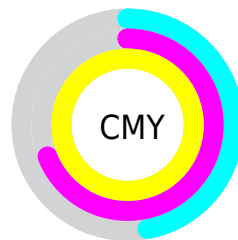


Cyan (0%)

Magenta (41%)

Yellow (100%)

Black (47%)



Cyan (47%)

Magenta (69%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.0220, 10.9716, 1.4314 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 13.0220, 10.9716, 1.4314 by changing the saturation by 10% instead.

13.0220, 10.9716,
1.4314

13.0220, 10.9716,
1.4314

204.6934,
197.4726, 112.8078

7.5208, 6.0477,
0.1660

30.9443, 27.6076,
7.4182

3.8391, 2.8741,
0.0000

44.0961, 40.0886,
13.1767

1.6115, 1.0664,
0.0000

60.5288, 55.8574,
21.3367

0.3999, 0.0000,
0.0000


80.6077, 75.2984,
32.3168


0.0000, 0.0000,
0.0000


104.6983, 98.7961,
46.5353


133.1659,


126.7347, 64.4110


 166.3758,
159.4988, 86.3623


 13.0220, 10.9716,
1.4314


 13.0220, 10.9716,
1.4314


 13.0221, 10.9720,
1.4315

 13.5261, 11.8574,
1.9773

 14.1120, 12.8313,
2.7822

 14.8066, 13.9060,
3.9836

 15.6197, 15.0865,
5.6286

 16.5596, 16.3773,
7.7577

■ 17.6337, 17.7824,
10.4067

■ 18.8489, 19.3059,
13.6079

■ 20.2115, 20.9511,
17.3912

■ 21.7272, 22.7215,
21.7841

Harmonies

Analogous

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



16.6146, 10.9716, 3.3877



13.0220, 10.9716, 1.4314



9.3756, 10.9716, 1.2000

Triad

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



13.0220, 10.9716, 1.4314



5.0627, 10.9716, 15.3480



15.3364, 10.9716, 34.1977

Complementary

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



13.0220, 10.9716, 1.4314



5.8580, 4.6058, 23.8725

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.



11.5567, 10.9716, 43.2193



13.0220, 10.9716, 1.4314



6.0068, 10.9716, 28.9381

Square

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



13.0220, 10.9716, 1.4314



5.2833, 10.9716, 6.2987



8.2039, 10.9716, 40.8858



18.1464, 10.9716, 20.2397

Rectangle

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



13.0220, 10.9716, 1.4314



7.4522, 10.9716, 1.7477



8.2039, 10.9716, 40.8858



14.1065, 10.9716, 38.1863

Sweetspot

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



13.0222, 10.9722, 1.4316



33.0700, 33.8412, 23.5821



10.8835, 5.5264, 4.3207



7.4713, 7.6046, 4.9607



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.



13.0222, 10.9722, 1.4316



22.7938, 19.0254, 2.4709



17.2129, 21.9430, 3.3283



5.2613, 5.5053, 5.3377



12.3345, 10.4033, 1.3579



0.0964, 0.0980, 0.0138

Inverse Universe

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



5.8580, 4.6058, 23.8725



10.1778, 7.8252, 42.0223



4.5864, 1.8511, 23.4079



4.9328, 5.2085, 6.3512



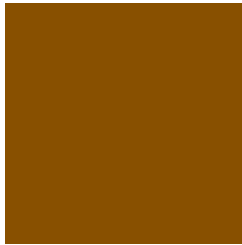
5.5532, 4.3766, 22.5978



0.0507, 0.0568, 0.1547

Previews

White Background



This preview shows how the XYZ color 13.0220, 10.9716, 1.4314 looks on a white background.

Color Contrast Check

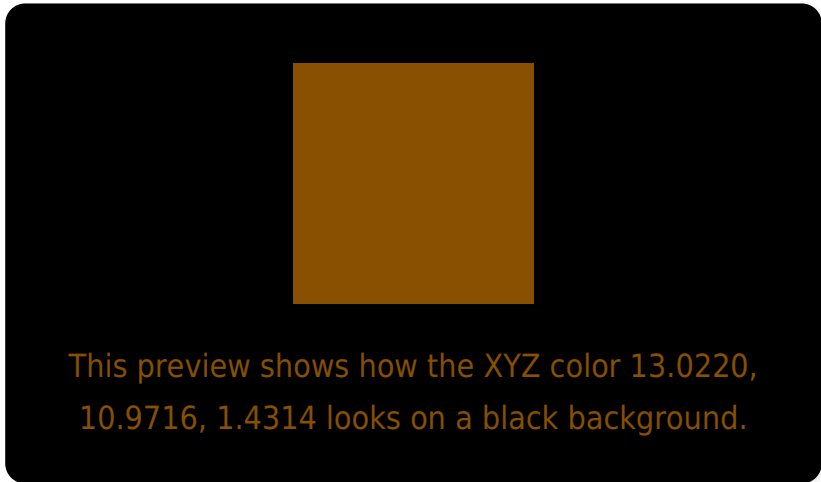
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.0220, 10.9716, 1.4314

Background



This preview shows how black text looks on a background with the XYZ color 13.0220, 10.9716, 1.4314.



This preview shows how white text looks on a background with the XYZ color 13.0220, 10.9716,

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

13.0220, 10.9716, 1.4314

Protanopia

10.0013, 11.0915, 1.9009

Deuteranopia

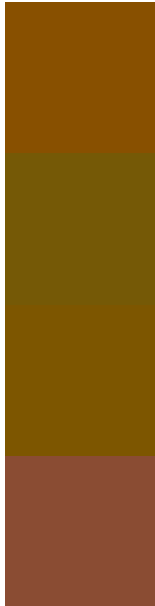
11.1801, 11.0667, 1.5468



Tritanopia

14.5442, 10.9657, 8.9394

Trichromacy



Original Color

13.0220, 10.9716, 1.4314

Protanomaly

10.9414, 10.9398, 1.7072

Deuteranomaly

11.7852, 11.0156, 1.5051

Tritanomaly

13.6632, 10.8112, 4.4986

Monochromacy



Original Color

13.0220, 10.9716, 1.4314

Achromatopsia

9.2757, 9.7587, 10.6273

Achromatomaly

9.7880, 9.7858, 5.1143

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.0220, 10.9716, 1.4314 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(136, 80, 0)` looks like.

```
.text, #text, p{  
    color:rgb(136, 80, 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(136, 80, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 80, 0) }
```

Border

The CSS property to change the border of an element to XYZ 13.0220, 10.9716, 1.4314 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(136, 80, 0) }
```


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

```
.border{ border-color:rgb(136, 80, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 80, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 80, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 80, 0);  
box-shadow:4px 4px 4px 4px rgb(136, 80, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.0220, 10.9716, 1.4314 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 80, 0) }
```

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

```
.background{ background-color: rgb(136, 80,  
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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