

Converting Colors

XYZ(13.8248, 18.6708, 0.0000)

Have a look what the booklet for
XYZ(13.8248, 18.6708, 0.0000)
contains.

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Color

**XYZ(14.4013, 18.8831,
2.8858)**

Conversions

Conversions Part 1

Format	Color
Hex	708000
RGB	112, 128, 0
RGB Percent	44%, 50%, 0%
CMY	0.5608, 0.4980, 1.0000
CMYK	0.13, 0.00, 1.00, 0.50
HSL	68°, 100%, 25%
HSV	68°, 100%, 50%
XYZ	14.4013, 18.8831, 2.8858
YIQ	108.6240, 31.5520, -43.2000

Conversions

Conversions Part 2

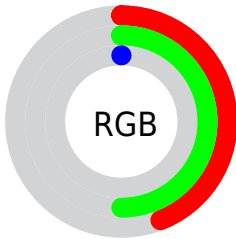
Format	Color
RYB	0, 128, 16
Decimal	7372800
CIELab	50.55, -20.30, 55.11
CIELCh	51, 58.730, 110.218
Yxy	18.8831, 0.3982, 0.5221
Android (android.graphics.Color)	4285562880 (0xFF708000)
YUV	108.6240, -53.5516, 2.9608
Hunter-Lab	43.4547, -16.8891, 26.4809

Details

The XYZ color **14.4013, 18.8831, 2.8858** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **4.1105, 1.6691, 20.5287**, and the grayscale version is **14.5705, 15.3293, 16.6936**.

A 20% lighter version of the original color is **33.4436, 41.6566, 11.4321**, and **4.6595, 6.5526, 1.0192** is the 20% darker color. If you saturate the color by 10%, you get **14.4015, 18.8839, 2.8859**, and if you desaturate by 10%, it is **14.6786, 19.0184, 3.2717**.

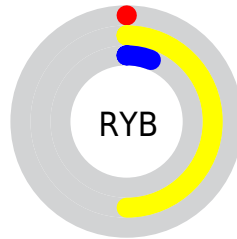
Distribution



Red (44%)

Green (50%)

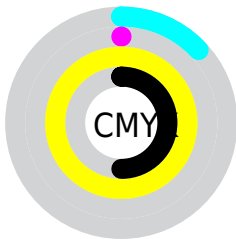
Blue (0%)



Red (0%)

Yellow (50%)

Blue (6%)

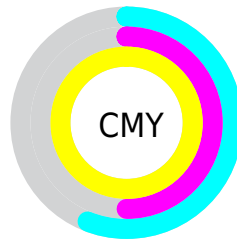


Cyan (13%)

Magenta (0%)

Yellow (100%)

Black (50%)



Cyan (56%)

Magenta (50%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.4013, 18.8831, 2.8858 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 14.4013, 18.8831, 2.8858 by changing the saturation by 10% instead.

■ 14.4013, 18.8831,
2.8858

■ 14.4013, 18.8831,
2.8858

213.1743,
245.8026, 134.8926

■ 8.4839, 11.5858,
1.0366

■ 33.3797, 41.5365,
11.3453

■ 4.4605, 6.4623,
0.0000

■ 47.1715, 57.6614,
18.7927

■ 1.9658, 3.1282,
0.0000

■ 64.3187, 77.4976,
28.9433

■ 0.6146, 1.1990,
0.0000

■ 85.1867, 101.4296,
42.2156


■ 0.0000, 0.0609,
0.0000


■ 110.1409,
129.8417, 59.0281


■ 0.0000, 0.0000,
0.0000


■ 139.5467,


163.1183, 79.7994


 173.7693,
201.6438, 104.9481


 14.4013, 18.8831,
2.8858


 14.4013, 18.8831,
2.8858


 14.4015, 18.8839,
2.8859

 14.6786, 19.0184,
3.2717

 14.9984, 19.1705,
3.8644

 15.3856, 19.3500,
4.7927

 15.8477, 19.5598,
6.0966

 16.3914, 19.8027,
7.8106

■ 17.0224, 20.0810,
9.9652

■ 17.7461, 20.3968,
12.5881

■ 18.5672, 20.7519,
15.7048

■ 19.4903, 21.1483,
19.3386

Harmonies

Analogous

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



19.8867, 18.8831, 2.5027



14.4013, 18.8831, 2.8858



10.7392, 18.8831, 6.2529

Triad

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



14.4013, 18.8831, 2.8858



11.7777, 18.8831, 55.6173



31.1507, 18.8831, 26.4046

Complementary

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



14.4013, 18.8831, 2.8858



4.1105, 1.6691, 20.5287

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.



27.8223, 18.8831, 48.1009



14.4013, 18.8831, 2.8858



16.1392, 18.8831, 70.0048

Square

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



14.4013, 18.8831, 2.8858



9.4634, 18.8831, 33.5150



22.0335, 18.8831, 66.6947



30.4072, 18.8831, 11.4659

Rectangle

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



14.4013, 18.8831, 2.8858



9.4447, 18.8831, 11.6194



22.0335, 18.8831, 66.6947



30.4479, 18.8831, 33.2037

Sweetspot

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



14.4017, 18.8840, 2.8862



31.1486, 35.8687, 21.8123



9.0726, 4.9295, 0.4736



7.1834, 8.3502, 4.7055



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.



14.4017, 18.8840, 2.8862



25.2724, 33.2037, 5.0770



8.9898, 16.0940, 2.6329



4.6141, 4.9930, 4.6407



14.2801, 18.7241, 2.8615



0.0000, 0.0000, 0.0000

Inverse Universe

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



4.1105, 1.6691, 20.5287



7.1635, 2.9004, 36.1386



7.1160, 3.2185, 20.6694



4.1550, 4.2355, 5.4118



4.0761, 1.6550, 20.3546



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 14.4013, 18.8831, 2.8858 looks on a white 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

Black Background



This preview shows how the XYZ color 14.4013, 18.8831, 2.8858 looks on a black 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

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

XYZ 14.4013, 18.8831, 2.8858

Background



This preview shows how black text looks on a background with the XYZ color 14.4013, 18.8831, 2.8858.



This preview shows how white text looks on a background with the XYZ color 14.4013, 18.8831,

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

14.4013, 18.8831, 2.8858

Protanopia

16.9907, 18.9090, 2.7543

Deuteranopia

19.1110, 18.7680, 3.3744



Tritanopia

18.5191, 18.8897, 23.0921

Trichromacy



Original Color

14.4013, 18.8831, 2.8858

Protanomaly

15.9600, 18.9273, 2.8122

Deuteranomaly

16.9926, 18.5437, 3.0992

Tritanomaly

15.9159, 18.3647, 10.4905

Monochromacy



Original Color

14.4013, 18.8831, 2.8858

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

13.7500, 16.2355, 8.0393

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.4013, 18.8831, 2.8858 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(112, 128, 0)` looks like.

```
.text, #text, p{  
    color:rgb(112, 128, 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(112, 128, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 128, 0) }
```

Border

The CSS property to change the border of an element to XYZ 14.4013, 18.8831, 2.8858 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(112, 128, 0) }
```


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

```
.border{ border-color:rgb(112, 128, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 128, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 128, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 128, 0);  
box-shadow:4px 4px 4px 4px rgb(112, 128,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 14.4013, 18.8831, 2.8858 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 128, 0) }
```

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

```
.background{ background-color: rgb(112,  
128, 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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