

Converting Colors

XYZ(13.8436, 15.1432, 2.1933)

Have a look what the booklet for
XYZ(13.8436, 15.1432, 2.1933)
contains.

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Color

**XYZ(13.8200, 15.0851,
2.1833)**

Conversions

Conversions Part 1

Format	Color
Hex	7D6C00
RGB	125, 108, 0
RGB Percent	49%, 42%, 0%
CMY	0.5098, 0.5765, 1.0000
CMYK	0.00, 0.14, 1.00, 0.51
HSL	52°, 100%, 25%
HSV	52°, 100%, 49%
XYZ	13.8200, 15.0851, 2.1833
YIQ	100.7710, 44.8000, -29.9840

Conversions

Conversions Part 2

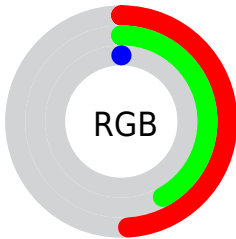
Format	Color
RYB	20, 125, 0
Decimal	8219648
CIELab	45.75, -3.24, 52.13
CIELCh	46, 52.232, 93.561
Yxy	15.0851, 0.4445, 0.4852
Android (android.graphics.Color)	4286409728 (0xFF7D6C00)
YUV	100.7710, -49.6801, 21.2488
Hunter-Lab	38.8395, -4.4548, 23.8548

Details

The XYZ color **13.8200, 15.0851, 2.1833** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **3.9022, 1.8816, 19.5594**, and the grayscale version is **12.4270, 13.0742, 14.2378**.

A 20% lighter version of the original color is **32.3237, 34.9678, 9.6033**, and **4.3412, 4.7152, 0.6813** is the 20% darker color. If you saturate the color by 10%, you get **13.8202, 15.0857, 2.1834**, and if you desaturate by 10%, it is **14.0708, 15.4757, 2.6097**.

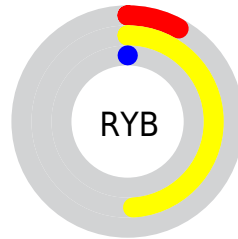
Distribution



Red (49%)

Green (42%)

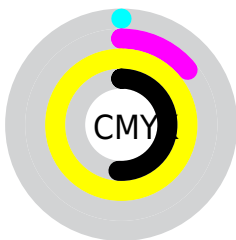
Blue (0%)



Red (8%)

Yellow (49%)

Blue (0%)

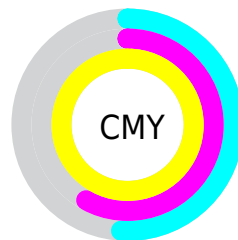


Cyan (0%)

Magenta (14%)

Yellow (100%)

Black (51%)



Cyan (51%)

Magenta (58%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.8200, 15.0851, 2.1833 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 13.8200, 15.0851, 2.1833 by changing the saturation by 10% instead.

■ 13.8200, 15.0851,
2.1833

■ 13.8200, 15.0851,
2.1833

209.6413,
223.8807, 125.1611

■ 8.0764, 8.8791,
0.6647

■ 32.3582, 35.0024,
9.5361

■ 4.1961, 4.6624,
0.0000

■ 45.8836, 49.4825,
16.2374

■ 1.8137, 2.0506,
0.0000

■ 62.7337, 67.4895,
25.5133

■ 0.5259, 0.6366,
0.0000

■ 83.2738, 89.4077,
37.7824


■ 0.0000, 0.0000,
0.0000


■ 107.8692,
115.6215, 53.4631


■ 136.8853,


146.5154, 72.9742


 170.6876,
182.4736, 96.7340


 13.8200, 15.0851,
2.1833


 13.8200, 15.0851,
2.1833


 13.8202, 15.0857,
2.1834

 14.0708, 15.4757,
2.6097

 14.3614, 15.8872,
3.2296

 14.7159, 16.3299,
4.1685

 15.1414, 16.8067,
5.4642

 15.6442, 17.3201,
7.1490

■ 16.2297, 17.8724,
9.2518

■ 16.9030, 18.4655,
11.7987

■ 17.6685, 19.1014,
14.8135

■ 18.5305, 19.7817,
18.3186

Harmonies

Analogous

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



18.4342, 15.0851, 2.8956



13.8200, 15.0851, 2.1833



10.1595, 15.0851, 3.3938

Triad

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



13.8200, 15.0851, 2.1833



8.3916, 15.0851, 33.7416



23.3019, 15.0851, 29.7108

Complementary

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



13.8200, 15.0851, 2.1833



3.9022, 1.8816, 19.5594

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.



19.5289, 15.0851, 45.9270



13.8200, 15.0851, 2.1833



10.8985, 15.0851, 48.9721

Square

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



13.8200, 15.0851, 2.1833



7.4556, 15.0851, 17.9729



14.8687, 15.0851, 54.2951



24.5204, 15.0851, 14.9688

Rectangle

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



13.8200, 15.0851, 2.1833



8.5629, 15.0851, 5.8441



14.8687, 15.0851, 54.2951



22.2571, 15.0851, 35.3743

Sweetspot

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



13.8203, 15.0858, 2.1836



30.1759, 32.9875, 20.7681



8.5729, 4.4062, 1.0038



6.7663, 7.4188, 4.3507



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



13.8203, 15.0858, 2.1836



24.6715, 26.8601, 3.8842



10.7485, 16.4276, 2.6045



4.6171, 4.9229, 4.6270



14.4206, 15.7377, 2.2776



0.0000, 0.0000, 0.0000

Inverse Universe

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



3.9022, 1.8816, 19.5594



6.9194, 3.2327, 35.0036



4.7298, 2.0108, 19.5407



4.1524, 4.2988, 5.4242



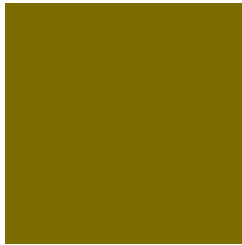
4.0692, 1.9568, 20.4132



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 13.8200, 15.0851, 2.1833 looks on a white background.

Color Contrast Check

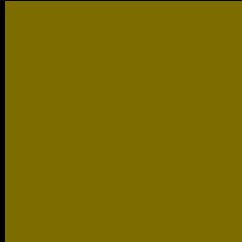
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.8200, 15.0851, 2.1833 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 13.8200, 15.0851, 2.1833

Background



This preview shows how black text looks on a background with the XYZ color 13.8200, 15.0851, 2.1833.

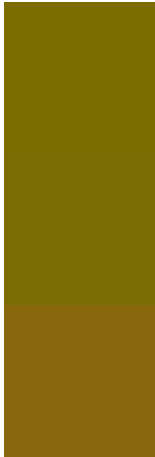


This preview shows how white text looks on a background with the XYZ color 13.8200, 15.0851,

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

13.8200, 15.0851, 2.1833

Protanopia

13.6535, 15.1548, 2.2917

Deuteranopia

15.2394, 15.0479, 2.4821



Tritanopia

16.6240, 15.0223, 16.2108

Trichromacy



Original Color

13.8200, 15.0851, 2.1833

Protanomaly

13.7918, 15.2267, 2.2696

Deuteranomaly

14.7683, 15.1072, 2.3673

Tritanomaly

14.9777, 14.7973, 7.6970

Monochromacy



Original Color

13.8200, 15.0851, 2.1833

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

12.3061, 13.5858, 6.8242

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.8200, 15.0851, 2.1833 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(125, 108, 0)` looks like.

```
.text, #text, p{  
    color:rgb(125, 108, 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(125, 108, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 108, 0) }
```

Border

The CSS property to change the border of an element to XYZ 13.8200, 15.0851, 2.1833 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(125, 108, 0) }
```


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

```
.border{ border-color:rgb(125, 108, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 108, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 108, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 108, 0);  
box-shadow:4px 4px 4px 4px rgb(125, 108,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 13.8200, 15.0851, 2.1833 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 108, 0) }
```

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

```
.background{ background-color: rgb(125,  
108, 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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