

Converting Colors

XYZ(33.1760, 29.3858, 3.9235)

Have a look what the booklet for
XYZ(33.1760, 29.3858, 3.9235)
contains.

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Color

**XYZ(33.1531, 29.3399,
3.9158)**

Conversions

Conversions Part 1

Format	Color
Hex	CC8400
RGB	204, 132, 0
RGB Percent	80%, 52%, 0%
CMY	0.2000, 0.4823, 1.0000
CMYK	0.00, 0.35, 1.00, 0.20
HSL	39°, 100%, 40%
HSV	39°, 100%, 80%
XYZ	33.1531, 29.3399, 3.9158
YIQ	138.4800, 85.2840, -25.7880

Conversions

Conversions Part 2

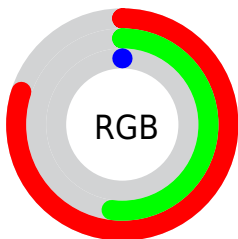
Format	Color
R_{YB}	111, 204, 0
Decimal	13403136
CIE _{Lab}	61.08, 19.72, 66.88
CIE _{LCh}	61, 69.728, 73.571
Yxy	29.3399, 0.4992, 0.4418
Android (android.graphics.Color)	4291593216 (0xFFCC8400)
YUV	138.4800, -68.2706, 57.4610
Hunter-Lab	54.1663, 14.4619, 33.6302

Details

The XYZ color **33.1531, 29.3399, 3.9158** is a dark color, and the websafe version is hex **CC9900**. The color can be described as dark washed orange. A complement of this color would be **13.2167, 8.9948, 58.1658**, and the grayscale version is **24.5727, 25.8524, 28.1533**.

A 20% lighter version of the original color is **59.6945, 56.4001, 13.5344**, and **14.5189, 11.9639, 1.5440** is the 20% darker color. If you saturate the color by 10%, you get **33.1532, 29.3405, 3.9159**, and if you desaturate by 10%, it is **34.2940, 31.4141, 4.9371**.

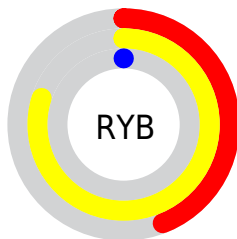
Distribution



Red (80%)

Green (52%)

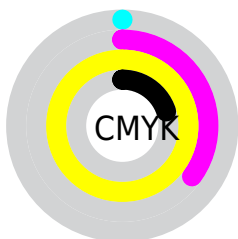
Blue (0%)



Red (44%)

Yellow (80%)

Blue (0%)

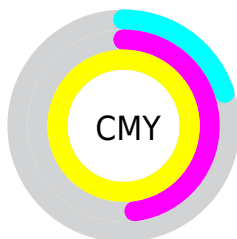


Cyan (0%)

Magenta (35%)

Yellow (100%)

Black (20%)



Cyan (20%)

Magenta (48%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.1531, 29.3399, 3.9158 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 33.1531, 29.3399, 3.9158 by changing the saturation by 10% instead.

33.1531, 29.3399,
3.9158

33.1531, 29.3399,
3.9158

307.9918,
298.8153, 147.2848

22.4036, 19.3381,
1.5793

63.9676, 58.6167,
13.8151

14.2720, 11.9148,
0.2760

84.7632, 78.6605,
22.2149

8.3930, 6.6857,
0.0000

109.6382,
102.8204, 33.4730

4.4014, 3.2663,
0.0000

138.9580,
131.4808, 48.0077

1.9316, 1.2723,
0.0000

173.0879,
165.0261, 66.2378


0.5951, 0.1196,
0.0000


212.3933,


0.0000, 0.0000,


203.8407, 88.5816


0.0000


 257.2395,
248.3090, 115.4578


 33.1531, 29.3399,
3.9158


 33.1531, 29.3399,
3.9158


 33.1532, 29.3405,
3.9159

 34.2940, 31.4141,
4.9371

 35.6400, 33.6790,
6.7027

 37.2401, 36.1574,
9.4608

 39.1205, 38.8620,
13.3441

 41.3038, 41.8036,
18.4647

■ 43.8096, 44.9920,
24.9208

■ 46.6558, 48.4361,
32.8009

■ 49.8589, 52.1444,
42.1856

■ 53.4339, 56.1246,
53.1496

Harmonies

Analogous

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



42.6400, 29.3399, 8.3105



33.1531, 29.3399, 3.9158



23.9663, 29.3399, 3.7578

Triad

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



33.1531, 29.3399, 3.9158



14.0643, 29.3399, 45.2576



41.8234, 29.3399, 83.9822

Complementary

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



33.1531, 29.3399, 3.9158



13.2167, 8.9948, 58.1658

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.



32.2129, 29.3399, 109.9951



33.1531, 29.3399, 3.9158



17.0020, 29.3399, 80.6493

Square

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



33.1531, 29.3399, 3.9158



14.2084, 29.3399, 19.7304



23.2098, 29.3399, 108.5216



48.3452, 29.3399, 48.3827

Rectangle

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



33.1531, 29.3399, 3.9158



19.2609, 29.3399, 5.6960



23.2098, 29.3399, 108.5216



38.7660, 29.3399, 94.8277

Sweetspot

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



33.1537, 29.3414, 3.9163



77.0699, 79.9819, 53.7592



26.1651, 13.3428, 7.8182



16.0522, 16.5882, 10.2589



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



33.1537, 29.3414, 3.9163



54.6958, 48.1716, 6.4153



39.6788, 52.5091, 8.0442



11.8077, 12.4044, 11.8514



20.9576, 18.6481, 2.4949



1.1509, 1.1015, 0.1519

Inverse Universe

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



13.2167, 8.9948, 58.1658



21.7058, 14.5317, 96.2686



11.3566, 4.5957, 57.4147



10.9203, 11.4810, 14.2109



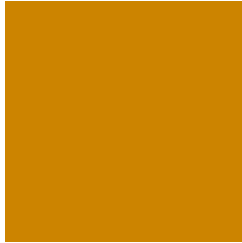
8.3983, 5.8205, 36.6371



0.5043, 0.4423, 1.9137

Previews

White Background



This preview shows how the XYZ color 33.1531, 29.3399, 3.9158 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 33.1531, 29.3399, 3.9158 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 33.1531, 29.3399, 3.9158

Background



This preview shows how black text looks on a background with the XYZ color 33.1531, 29.3399, 3.9158.



This preview shows how white text looks on a background with the XYZ color 33.1531, 29.3399,

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

33.1531, 29.3399, 3.9158

Protanopia

26.6055, 29.4270, 4.6932

Deuteranopia

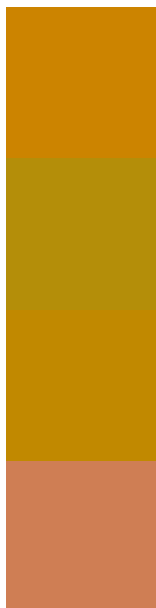
29.8716, 29.3210, 4.0851



Tritanopia

37.5423, 29.3872, 25.5234

Trichromacy



Original Color

33.1531, 29.3399, 3.9158

Protanomaly

28.5447, 29.0690, 4.3649

Deuteranomaly

30.9380, 29.2288, 4.0111

Tritanomaly

34.7932, 28.8272, 12.1179

Monochromacy



Original Color

33.1531, 29.3399, 3.9158

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

25.4659, 25.9943, 12.9077

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.1531, 29.3399, 3.9158 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(204, 132, 0)` looks like.

```
.text, #text, p{  
    color:rgb(204, 132, 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(204, 132, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 132, 0) }
```

Border

The CSS property to change the border of an element to XYZ 33.1531, 29.3399, 3.9158 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(204, 132, 0) }
```


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

```
.border{ border-color:rgb(204, 132, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 132, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 132, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 132, 0);  
box-shadow:4px 4px 4px 4px rgb(204, 132,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 33.1531, 29.3399, 3.9158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 132, 0) }
```

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

```
.background{ background-color: rgb(204,  
132, 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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