

Converting Colors

XYZ(39.5116, 36.0183, 4.8697)

Have a look what the booklet for
XYZ(39.5116, 36.0183, 4.8697)
contains.

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Color

**XYZ(39.5033, 36.0852,
4.8831)**

Conversions

Conversions Part 1

Format	Color
Hex	DA9400
RGB	218, 148, 0
RGB Percent	85%, 58%, 0%
CMY	0.1451, 0.4196, 0.9999
CMYK	0.00, 0.32, 1.00, 0.15
HSL	41°, 100%, 43%
HSV	41°, 100%, 85%
XYZ	39.5033, 36.0852, 4.8831
YIQ	152.0580, 89.2280, -31.1880

Conversions

Conversions Part 2

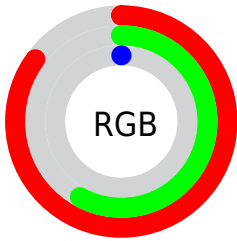
Format	Color
RYB	103, 218, 0
Decimal	14324736
CIELab	66.58, 17.17, 71.33
CIELCh	67, 73.367, 76.468
Yxy	36.0852, 0.4909, 0.4484
Android (android.graphics.Color)	4292514816 (0xFFDA9400)
YUV	152.0580, -74.9646, 57.8311
Hunter-Lab	60.0710, 12.2593, 37.2301

Details

The XYZ color **39.5033, 36.0852, 4.8831** 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 **14.8454, 9.4430, 67.3693**, and the grayscale version is **30.1583, 31.7288, 34.5527**.

A 20% lighter version of the original color is **63.5966, 63.9955, 15.4790**, and **18.1793, 15.7175, 2.0756** is the 20% darker color. If you saturate the color by 10%, you get **39.5034, 36.0857, 4.8832**, and if you desaturate by 10%, it is **40.7785, 38.4071, 6.0137**.

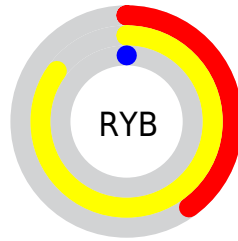
Distribution



Red (85%)

Green (58%)

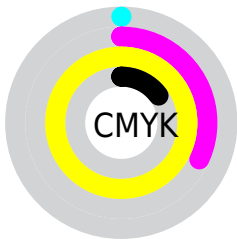
Blue (0%)



Red (40%)

Yellow (85%)

Blue (0%)

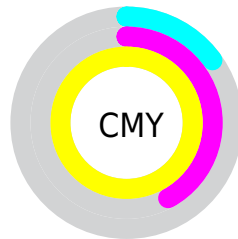


Cyan (0%)

Magenta (32%)

Yellow (100%)

Black (15%)



Cyan (15%)


Magenta (42%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.5033, 36.0852, 4.8831 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 39.5033, 36.0852, 4.8831 by changing the saturation by 10% instead.


 39.5033, 36.0852,
4.8831


 39.5033, 36.0852,
4.8831


335.1960,
329.3328, 157.5864


 27.3340, 24.5000,
2.1213


 73.6957, 69.1635,
16.0001


 17.9621, 15.7049,
0.6284


 96.4495, 91.4255,
25.1923


 11.0223, 9.3156,
0.0000


 123.4622,
118.0151, 37.3651

 6.1492, 4.9476,
0.0000

 155.0991,
149.3169, 52.9370

 2.9776, 2.2166,
0.0000

 191.7256,
185.7151, 72.3266


 1.1419, 0.7290,
0.0000

 233.7070,


 0.0597, 0.0000,


227.5943, 95.9523


0.0000


 281.4087,
275.3387, 124.2327


 0.0000, 0.0000,
0.0000


 39.5033, 36.0852,
4.8831


 39.5033, 36.0852,
4.8831


 39.5034, 36.0857,
4.8832

 40.7785, 38.4071,
6.0137

 42.2818, 40.9268,
8.0161

 44.0682, 43.6696,
11.1703

 46.1685, 46.6495,
15.6333

 48.6086, 49.8786,
21.5371

■ 51.4116, 53.3677,
28.9974

■ 54.5981, 57.1267,
38.1183

■ 58.1872, 61.1649,
48.9946

■ 62.1963, 65.4907,
61.7140

Harmonies

Analogous

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



51.0761, 36.0852, 9.6589



39.5033, 36.0852, 4.8831



28.6306, 36.0852, 5.0864

Triad

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



39.5033, 36.0852, 4.8831



17.7157, 36.0852, 59.1450



52.0845, 36.0852, 97.7249

Complementary

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



39.5033, 36.0852, 4.8831



14.8454, 9.4430, 67.3693

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.



40.6677, 36.0852, 131.0546



39.5033, 36.0852, 4.8831



21.6667, 36.0852, 101.8199

Square

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



39.5033, 36.0852, 4.8831



17.5353, 36.0852, 26.7237



29.5711, 36.0852, 132.8607



59.3237, 36.0852, 55.2844

Rectangle

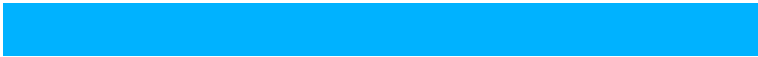
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



39.5033, 36.0852, 4.8831



23.1742, 36.0852, 7.8915



29.5711, 36.0852, 132.8607



48.5099, 36.0852, 111.1678

Sweetspot

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



39.5041, 36.0870, 4.8838



77.7447, 81.3315, 53.9841



30.1051, 15.3823, 7.6293



16.2135, 16.9109, 10.3127



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.



39.5041, 36.0870, 4.8838



56.2070, 51.1941, 6.9190



44.2843, 60.0471, 9.2566



13.7914, 14.5222, 13.8017



23.7681, 21.8217, 2.9593



1.6164, 1.5670, 0.2173

Inverse Universe

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



14.8454, 9.4430, 67.3693



21.0581, 13.2361, 96.0527



13.3945, 5.4435, 66.6737



12.6783, 13.2964, 16.5504



8.9802, 5.8298, 40.3904



0.6583, 0.5308, 2.6422

Previews

White Background



This preview shows how the XYZ color 39.5033, 36.0852, 4.8831 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 39.5033, 36.0852, 4.8831 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 ✓ Pass

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

XYZ 39.5033, 36.0852, 4.8831

Background



This preview shows how black text looks on a background with the XYZ color 39.5033, 36.0852, 4.8831.



This preview shows how white text looks on a background with the XYZ color 39.5033, 36.0852,

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

39.5033, 36.0852, 4.8831

Protanopia

32.7049, 36.2934, 5.6971

Deuteranopia

36.7324, 36.0903, 5.0301



Tritanopia

45.1742, 36.1624, 32.6161

Trichromacy



Original Color

39.5033, 36.0852, 4.8831

Protanomaly

35.0411, 36.2092, 5.4007

Deuteranomaly

37.8066, 36.1581, 4.9866

Tritanomaly

41.8176, 35.6837, 15.2733

Monochromacy



Original Color

39.5033, 36.0852, 4.8831

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

31.1288, 32.2264, 15.8889

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.5033, 36.0852, 4.8831 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(218, 148, 0)` looks like.

```
.text, #text, p{  
    color:rgb(218, 148, 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(218, 148, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 148, 0) }
```

Border

The CSS property to change the border of an element to XYZ 39.5033, 36.0852, 4.8831 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(218, 148, 0) }
```


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

```
.border{ border-color:rgb(218, 148, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 148, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 148, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 148, 0);  
box-shadow:4px 4px 4px 4px rgb(218, 148,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 39.5033, 36.0852, 4.8831 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 148, 0) }
```

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

```
.background{ background-color: rgb(218,  
148, 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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