

Converting Colors

XYZ(34.2648, 33.6510, 4.6893)

Have a look what the booklet for
XYZ(34.2648, 33.6510, 4.6893)
contains.

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Color

**XYZ(34.3006, 33.6370,
4.6848)**

Conversions

Conversions Part 1

Format	Color
Hex	C79500
RGB	199, 149, 0
RGB Percent	78%, 58%, 0%
CMY	0.2196, 0.4157, 0.9999
CMYK	0.00, 0.25, 1.00, 0.22
HSL	45°, 100%, 39%
HSV	45°, 100%, 78%
XYZ	34.3006, 33.6370, 4.6848
YIQ	146.9640, 77.6290, -35.7390

Conversions

Conversions Part 2

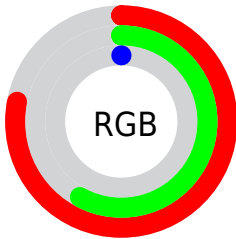
Format	Color
RYB	67, 199, 0
Decimal	13079808
CIELab	64.67, 8.25, 69.01
CIElCh	65, 69.501, 83.184
Yxy	33.6370, 0.4723, 0.4632
Android (android.graphics.Color)	4291269888 (0xFFC79500)
YUV	146.9640, -72.4533, 45.6356
Hunter-Lab	57.9974, 4.0723, 35.8090

Details

The XYZ color **34.3006, 33.6370, 4.6848** 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 **11.4498, 6.4054, 54.6652**, and the grayscale version is **27.9875, 29.4450, 32.0656**.

A 20% lighter version of the original color is **63.8320, 64.4663, 15.5575**, and **15.2771, 14.4991, 1.9934** is the 20% darker color. If you saturate the color by 10%, you get **34.3007, 33.6375, 4.6848**, and if you desaturate by 10%, it is **35.2349, 35.3051, 5.6153**.

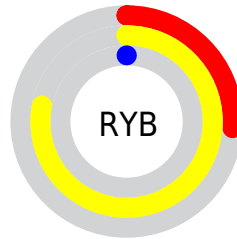
Distribution



Red (78%)

Green (58%)

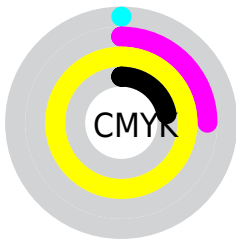
Blue (0%)



Red (26%)

Yellow (78%)

Blue (0%)

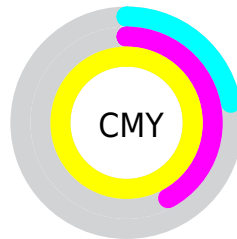


Cyan (0%)

Magenta (25%)

Yellow (100%)

Black (22%)



Cyan (22%)


Magenta (42%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.3006, 33.6370, 4.6848 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 34.3006, 33.6370, 4.6848 by changing the saturation by 10% instead.


 34.3006, 33.6370,
4.6848


 34.3006, 33.6370,
4.6848


313.0327,
318.5104, 155.5573


 23.2886, 22.6149,
2.0081


 65.7420, 65.3688,
15.5606


 14.9286, 14.3094,
0.5602


 86.9022, 86.8472,
24.5968

 8.8553, 8.3362,
0.0000


 112.1758,
112.5799, 36.5898

 4.7033, 4.3108,
0.0000

 141.9282,
142.9512, 51.9583

 2.1072, 1.8489,
0.0000

 176.5247,
178.3455, 71.1208

 0.6931, 0.5174,
0.0000

 216.3307,

 0.0000, 0.0000,

219.1472, 94.4957

0.0000

261.7116,
265.7407, 122.5017

34.3006, 33.6370,
4.6848

34.3006, 33.6370,
4.6848

34.3007, 33.6375,
4.6848

35.2349, 35.3051,
5.6153

36.3318, 37.0919,
7.2355

37.6373, 39.0178,
9.7829

39.1755, 41.0931,
13.3818

40.9666, 43.3264,
18.1372

■ 43.0285, 45.7256,
24.1413

■ 45.3773, 48.2977,
31.4771

■ 48.0278, 51.0492,
40.2202

■ 50.9935, 53.9861,
50.4406

Harmonies

Analogous

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



44.8896, 33.6370, 7.9101



34.3006, 33.6370, 4.6848



25.0023, 33.6370, 5.7887

Triad

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



34.3006, 33.6370, 4.6848



17.3882, 33.6370, 62.7694



49.9045, 33.6370, 80.3598

Complementary

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



34.3006, 33.6370, 4.6848



11.4498, 6.4054, 54.6652

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.



40.1273, 33.6370, 113.8245



34.3006, 33.6370, 4.6848



21.8042, 33.6370, 100.5038

Square

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



34.3006, 33.6370, 4.6848



16.4639, 33.6370, 30.4877



29.7493, 33.6370, 122.6590



55.0332, 33.6370, 43.5352

Rectangle

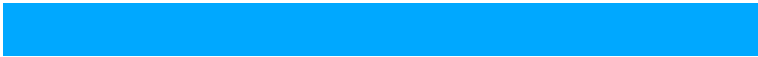
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



34.3006, 33.6370, 4.6848



20.5646, 33.6370, 9.4067



29.7493, 33.6370, 122.6590



46.9661, 33.6370, 93.0147

Sweetspot

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



34.3013, 33.6387, 4.6854



79.2583, 84.3587, 54.4887



24.1975, 12.4000, 4.4955



16.5766, 17.6370, 10.4337



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.



34.3013, 33.6387, 4.6854



59.8562, 58.4925, 8.1354



33.4790, 47.5769, 7.4191



11.2896, 11.9483, 11.2740



22.1290, 21.7752, 3.0367



1.1029, 1.1413, 0.1622

Inverse Universe

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



11.4498, 6.4054, 54.6652



19.8872, 10.8943, 95.6624



11.4557, 4.7150, 54.3386



10.2696, 10.7133, 13.4441



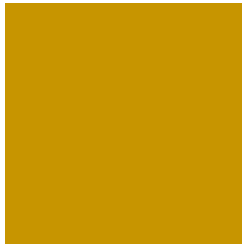
7.4218, 4.2376, 35.1711



0.4112, 0.3203, 1.6853

Previews

White Background



This preview shows how the XYZ color 34.3006, 33.6370, 4.6848 looks on a white background.

Color Contrast Check

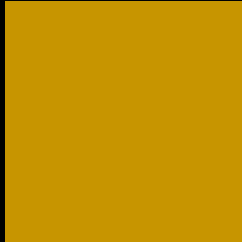
Large Text (above 18pt) WCAG AA × Fail

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 34.3006, 33.6370, 4.6848 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 34.3006, 33.6370, 4.6848

Background



This preview shows how black text looks on a background with the XYZ color 34.3006, 33.6370, 4.6848.



This preview shows how white text looks on a background with the XYZ color 34.3006, 33.6370,

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

34.3006, 33.6370, 4.6848

Protanopia

30.4187, 33.8250, 5.2422

Deuteranopia

34.3006, 33.6370, 4.6848



Tritanopia

39.9669, 33.4687, 32.7874

Trichromacy



Original Color

34.3006, 33.6370, 4.6848

Protanomaly

31.7673, 33.7723, 5.0454

Deuteranomaly

34.3006, 33.6370, 4.6848

Tritanomaly

36.3672, 32.8687, 15.2540

Monochromacy



Original Color

34.3006, 33.6370, 4.6848

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

28.3362, 30.0950, 14.9051

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.3006, 33.6370, 4.6848 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(199, 149, 0)` looks like.

```
.text, #text, p{  
    color:rgb(199, 149, 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(199, 149, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 149, 0) }
```

Border

The CSS property to change the border of an element to XYZ 34.3006, 33.6370, 4.6848 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(199, 149, 0) }
```


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

```
.border{ border-color:rgb(199, 149, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 149, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 149, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 149, 0);  
box-shadow:4px 4px 4px 4px rgb(199, 149,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 34.3006, 33.6370, 4.6848 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 149, 0) }
```

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

```
.background{ background-color: rgb(199,  
149, 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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