

# Converting Colors

XYZ(33.8037, 34.5805, 4.8931)

Have a look what the booklet for  
XYZ(33.8037, 34.5805, 4.8931)  
contains.

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# Color

**XYZ(33.8037, 34.5805,  
4.8931)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C29A00
RGB	194, 154, 0
RGB Percent	76%, 60%, 0%
CMY	0.2392, 0.3961, 0.9999
CMYK	0.00, 0.21, 1.00, 0.24
HSL	48°, 100%, 38%
HSV	48°, 100%, 76%
XYZ	33.8037, 34.5805, 4.8931
YIQ	148.4040, 73.2740, -39.4140

# Conversions

## Conversions Part 2

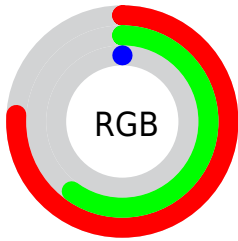
<b>Format</b>	<b>Color</b>
<b>RYB</b>	50, 194, 0
Decimal	12753408
CIELab	65.42, 3.30, 69.27
CIELCh	65, 69.353, 87.273
Yxy	34.5805, 0.4613, 0.4719
Android (android.graphics.Color)	4290943488 (0xFFC29A00)
YUV	148.4040, -73.1632, 39.9877
Hunter-Lab	58.8052, -0.2998, 36.2302

# Details

The XYZ color **33.8037, 34.5805, 4.8931** 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 **10.4968, 5.4133, 51.5301**, and the grayscale version is **28.5938, 30.0829, 32.7603**.

A 20% lighter version of the original color is **65.0319, 66.8662, 15.9575**, and **14.8419, 14.8514, 2.0844** is the 20% darker color. If you saturate the color by 10%, you get **33.8039, 34.5812, 4.8932**, and if you desaturate by 10%, it is **34.5967, 35.9731, 5.7549**.

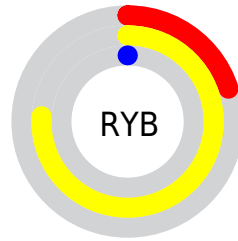
# Distribution



Red (76%)

Green (60%)

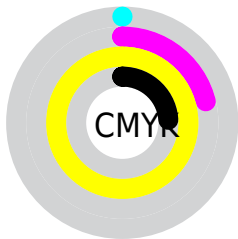
Blue (0%)



Red (20%)

Yellow (76%)

Blue (0%)

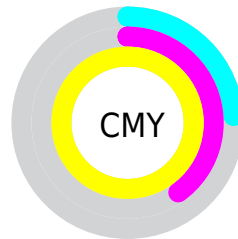


Cyan (0%)

Magenta (21%)

Yellow (100%)

Black (24%)



Cyan (24%)

Magenta (40%)


Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 33.8037, 34.5805, 4.8931 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 33.8037, 34.5805, 4.8931 by changing the saturation by 10% instead.





 33.8037, 34.5805,  
4.8931


 33.8037, 34.5805,  
4.8931


310.8572,  
322.7128, 157.6878


 22.9050, 23.3399,  
2.1270

 64.9746, 66.8354,  
16.0221

 14.6437, 14.8447,  
0.6318


 85.9775, 88.6185,  
25.2222

 8.6544, 8.7105,  
0.0000


 111.0793,  
114.6845, 37.4039

 4.5717, 4.5528,  
0.0000

 140.6451,  
145.4179, 52.9860

 2.0304, 1.9874,  
0.0000

 175.0405,  
181.2030, 72.3868

 0.6510, 0.6001,  
0.0000

 214.6307,

 0.0000, 0.0000,

222.4243, 96.0251

0.0000

259.7812,  
269.4661, 124.3192

33.8037, 34.5805,  
4.8931

33.8037, 34.5805,  
4.8931

33.8039, 34.5812,  
4.8932

34.5967, 35.9731,  
5.7549

35.5322, 37.4568,  
7.2605

36.6541, 39.0509,  
9.6374

37.9848, 40.7647,  
13.0018

39.5430, 42.6061,  
17.4525

■ 41.3455, 44.5820,  
23.0757

■ 43.4073, 46.6987,  
29.9493

■ 45.7418, 48.9620,  
38.1445

■ 48.3619, 51.3772,  
47.7269

# Harmonies

## Analogous

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



44.5681, 34.5805, 7.5145



33.8037, 34.5805, 4.8931



24.7231, 34.5805, 6.6436

# Triad

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



33.8037, 34.5805, 4.8931



18.4123, 34.5805, 69.4491



52.1361, 34.5805, 76.5990

# Complementary

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



33.8037, 34.5805, 4.8931



10.4968, 5.4133, 51.5301

# 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.



42.6294, 34.5805, 112.2231



33.8037, 34.5805, 4.8931



23.4185, 34.5805, 106.8127

# Square

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



33.8037, 34.5805, 4.8931



16.9934, 34.5805, 35.0587



31.9492, 34.5805, 125.4263



56.4259, 34.5805, 40.3707



# Rectangle

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



33.8037, 34.5805, 4.8931



20.5312, 34.5805, 11.0622



31.9492, 34.5805, 125.4263



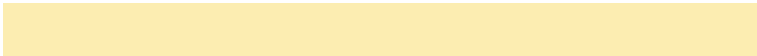
49.3600, 34.5805, 89.6275

# Sweetspot

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



33.8045, 34.5822, 4.8938



78.4521, 84.4158, 53.6052



22.6668, 11.6370, 3.2462



16.8176, 18.1192, 10.5140



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.



33.8045, 34.5822, 4.8938



61.0556, 62.2747, 8.8022



29.9453, 44.0754, 6.9295



10.7314, 11.3943, 10.6956



22.2853, 22.8564, 3.2372



1.0084, 1.0787, 0.1551



# Inverse Universe

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



10.4968, 5.4133, 51.5301



18.8722, 9.5171, 93.3121



11.3120, 4.7069, 51.3508



9.6928, 10.0770, 12.7190



6.9494, 3.6553, 33.8959

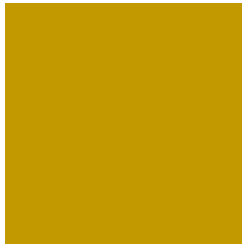


0.3508, 0.2590, 1.4814



# Previews

## White Background



This preview shows how the XYZ color 33.8037, 34.5805, 4.8931 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

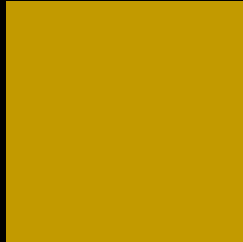
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 33.8037, 34.5805, 4.8931 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 33.8037, 34.5805, 4.8931**

## **Background**



This preview shows how black text looks on a background with the XYZ color 33.8037, 34.5805, 4.8931.



This preview shows how white text looks on a background with the XYZ color 33.8037, 34.5805,



# 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

33.8037, 34.5805, 4.8931

### Protanopia

31.4425, 34.8646, 5.3308

### Deuteranopia

35.2204, 34.5773, 5.1656



## Tritanopia

40.0123, 34.5346, 35.1288

# Trichromacy



## Original Color

33.8037, 34.5805, 4.8931

## Protanomaly

32.2673, 34.7812, 5.1851

## Deuteranomaly

34.5608, 34.4798, 5.0634

## Tritanomaly

36.1915, 33.8914, 16.1895

# Monochromacy



## Original Color

33.8037, 34.5805, 4.8931

## Achromatopsia

28.1479, 29.6138, 32.2495

## Achromatomaly

28.4438, 30.6202, 15.0008

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 33.8037, 34.5805, 4.8931 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(194, 154, 0)` looks like.

```
.text, #text, p{  
    color:rgb(194, 154, 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(194, 154, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 154, 0) }
```

## Border

The CSS property to change the border of an element to XYZ 33.8037, 34.5805, 4.8931 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(194, 154, 0) }
```



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

```
.border{ border-color:rgb(194, 154, 0) }
```

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

Here you see how a box with a 4 pixel rgb(194, 154, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 154, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 154, 0);  
box-shadow:4px 4px 4px 4px rgb(194, 154,  
0) }
```

# Background

The CSS property to change the background color of an element to XYZ 33.8037, 34.5805, 4.8931 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 154, 0) }
```

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

```
.background{ background-color: rgb(194,  
154, 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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