

# Converting Colors

XYZ(34.4708, 33.2754, 11.4314)

Have a look what the booklet for  
XYZ(34.4708, 33.2754, 11.4314)  
contains.

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# Color

**XYZ(34.4001, 33.3037,  
11.4527)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C3944C
RGB	195, 148, 76
RGB Percent	76%, 58%, 30%
CMY	0.2353, 0.4196, 0.7020
CMYK	0.00, 0.24, 0.61, 0.24
HSL	36°, 50%, 53%
HSV	36°, 61%, 76%
XYZ	34.4001, 33.3037, 11.4527
YIQ	153.8450, 51.1240, -12.4280

# Conversions

## Conversions Part 2

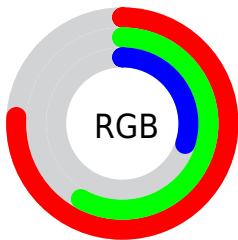
<b>Format</b>	<b>Color</b>
<b>RYB</b>	154, 195, 76
Decimal	12817484
CIELab	64.41, 9.75, 44.22
CIELCh	64, 45.283, 77.573
Yxy	33.3037, 0.4346, 0.4207
Android (android.graphics.Color)	4291007564 (0xFFC3944C)
YUV	153.8450, -38.3776, 36.0929
Hunter-Lab	57.7094, 5.4111, 28.6302

# Details

The XYZ color **34.4001, 33.3037, 11.4527** is a dark color, and the websafe version is hex **CC9966**. The color can be described as middle muted orange. A complement of this color would be **19.9135, 19.6418, 54.3712**, and the grayscale version is **30.7952, 32.3989, 35.2825**.

A 20% lighter version of the original color is **65.8243, 64.8442, 29.1255**, and **15.0354, 14.2132, 2.9283** is the 20% darker color. If you saturate the color by 10%, you get **32.6543, 30.7377, 8.0180**, and if you desaturate by 10%, it is **36.4333, 36.1159, 15.9974**.

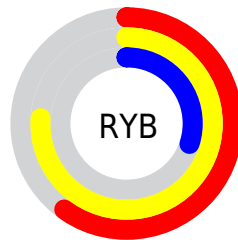
# Distribution



Red (76%)

Green (58%)

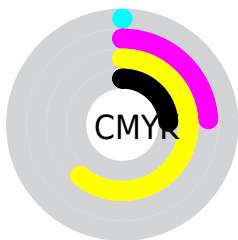
Blue (30%)



Red (60%)

Yellow (76%)

Blue (30%)

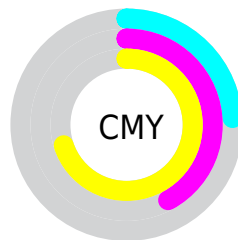


Cyan (0%)

Magenta (24%)

Yellow (61%)

Black (24%)



Cyan (24%)

Magenta (42%)


Yellow (70%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 34.4001, 33.3037, 11.4527 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 34.4001, 33.3037, 11.4527 by changing the saturation by 10% instead.





 34.4001, 33.3037,  
11.4527


 34.4001, 33.3037,  
11.4527


313.4670,  
317.0160, 211.5952


 23.3655, 22.3592,  
6.2542


 65.8955, 64.8494,  
29.1436


 14.9858, 14.1211,  
2.9290


 87.0871, 86.2194,  
42.4732


 8.8957, 8.2049,  
1.0585


 112.3950,  
111.8333, 59.3501

 4.7298, 4.2264,  
0.0000

 142.1845,  
142.0756, 80.1931

 2.1227, 1.8010,  
0.0000

 176.8212,  
177.3306, 105.4205

 0.7015, 0.4878,  
0.0000

216.6702,

 0.0000, 0.0000,

217.9827, 135.4510

0.0000

262.0971,  
264.4164, 170.7030

■ 34.4001, 33.3037,  
11.4527

■ 34.4001, 33.3037,  
11.4527

■ 32.6543, 30.7377,  
8.0180

■ 36.4333, 36.1159,  
15.9974

■ 31.1729, 28.4023,  
5.5897

■ 38.7698, 39.1791,  
21.7393

■ 29.9320, 26.2867,  
4.0474

■ 41.4271, 42.5040,  
28.7590

■ 28.9829, 24.5566,  
3.2123

■ 44.4203, 46.0989,  
37.1296

■ 47.7636, 49.9717,  
46.9185

■ 51.4702, 54.1299,  
58.1886

■ 55.5525, 58.5805,  
70.9992

■ 60.0224, 63.3305,  
85.4059

■ 64.8912, 68.3863,  
101.4620

# Harmonies

## Analogous

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



40.7846, 33.3037, 15.8486



34.4001, 33.3037, 11.4527



28.0539, 33.3037, 11.8399

# Triad

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



34.4001, 33.3037, 11.4527



21.2377, 33.3037, 48.0833



41.7243, 33.3037, 65.9069

# Complementary

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



34.4001, 33.3037, 11.4527



19.9135, 19.6418, 54.3712

# 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.



35.5499, 33.3037, 81.7827



34.4001, 33.3037, 11.4527



23.9995, 33.3037, 69.3237

# Square

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



34.4001, 33.3037, 11.4527



21.0176, 33.3037, 29.1399



29.0584, 33.3037, 83.2108



45.3829, 33.3037, 44.4593



# Rectangle

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



34.4001, 33.3037, 11.4527



24.6752, 33.3037, 14.7603



29.0584, 33.3037, 83.2108



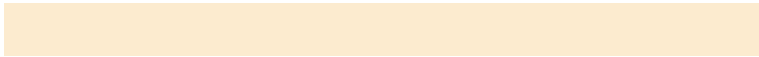
39.8387, 33.3037, 72.3468

# Sweetspot

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



34.4009, 33.3053, 11.4534



81.1383, 84.4183, 71.0552



28.7031, 18.2164, 20.9401



17.3950, 18.0484, 14.4844



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.



34.4009, 33.3053, 11.4534



57.6113, 53.7086, 12.8251



40.3718, 49.6314, 14.2899



10.5688, 11.0690, 10.6414



18.9213, 16.1283, 2.1158



0.8832, 0.8282, 0.1133



# Inverse Universe

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



19.9135, 19.6418, 54.3712



29.5534, 27.3239, 96.1862



16.4501, 11.1792, 52.9203



9.8474, 10.3860, 12.7705



8.2044, 6.1653, 34.3142

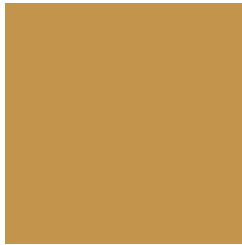


0.4217, 0.4008, 1.5050



# Previews

## White Background



This preview shows how the XYZ color 34.4001, 33.3037, 11.4527 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

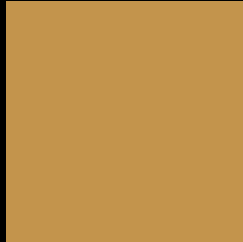
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 34.4001, 33.3037, 11.4527 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 34.4001, 33.3037, 11.4527**

## **Background**



This preview shows how black text looks on a background with the XYZ color 34.4001, 33.3037, 11.4527.



This preview shows how white text looks on a background with the XYZ color 34.4001, 33.3037,



# 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

34.4001, 33.3037, 11.4527

### Protanopia

30.7018, 33.5627, 12.2572

### Deuteranopia

34.0443, 33.3542, 11.4811



## Tritanopia

38.9705, 33.3757, 33.2423

# Trichromacy



## Original Color

34.4001, 33.3037, 11.4527

## Protanomaly

31.9868, 33.4850, 11.9851

## Deuteranomaly

34.3001, 33.4860, 11.4931

## Tritanomaly

36.9508, 33.2171, 23.2029

# Monochromacy



## Original Color

34.4001, 33.3037, 11.4527

## Achromatopsia

30.7148, 32.3143, 35.1903

## Achromatomaly

31.3563, 32.3978, 24.3394

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 34.4001, 33.3037, 11.4527 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(195, 148, 76)` looks like.

```
.text, #text, p{  
    color:rgb(195, 148, 76)  
}
```

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(195, 148, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 148, 76) }
```

## Border

The CSS property to change the border of an element to XYZ 34.4001, 33.3037, 11.4527 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(195, 148, 76) }
```



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

```
.border{ border-color:rgb(195, 148, 76) }
```

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

Here you see how a box with a 4 pixel rgb(195, 148, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 148, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 148, 76);  
box-shadow:4px 4px 4px 4px rgb(195, 148,  
76) }
```

# Background

The CSS property to change the background color of an element to XYZ 34.4001, 33.3037, 11.4527 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 148, 76) }
```

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

```
.background{ background-color: rgb(195,  
148, 76) }
```

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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