

# Converting Colors

XYZ(39.2053, 37.8921, 17.6196)

Have a look what the booklet for  
XYZ(39.2053, 37.8921, 17.6196)  
contains.

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# Color

**XYZ(39.0345, 37.7500,  
17.5411)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CB9D65
RGB	203, 157, 101
RGB Percent	80%, 62%, 40%
CMY	0.2039, 0.3843, 0.6039
CMYK	0.00, 0.23, 0.50, 0.20
HSL	33°, 50%, 60%
HSV	33°, 50%, 80%
XYZ	39.0345, 37.7500, 17.5411
YIQ	164.3700, 45.3920, -7.6640

# Conversions

## Conversions Part 2

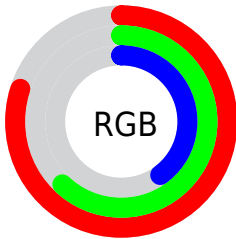
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	185, 203, 101
Decimal	13344101
CIE Lab	67.84, 10.29, 35.72
CIE LCh	68, 37.173, 73.925
Yxy	37.7500, 0.4138, 0.4002
Android (android.graphics.Color)	4291534181 (0xFFCB9D65)
YUV	164.3700, -31.2414, 33.8785
Hunter-Lab	61.4410, 5.8822, 26.0817

# Details

The XYZ color **39.0345, 37.7500, 17.5411** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **26.5796, 27.9448, 60.4927**, and the grayscale version is **35.5929, 37.4465, 40.7792**.

A 20% lighter version of the original color is **70.5333, 70.6469, 40.0557**, and **17.6279, 16.6670, 5.5368** is the 20% darker color. If you saturate the color by 10%, you get **36.6691, 34.4193, 12.4370**, and if you desaturate by 10%, it is **41.7634, 41.4147, 23.9790**.

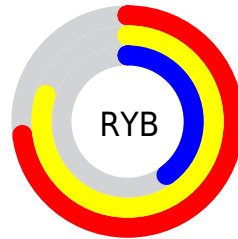
# Distribution



Red (80%)

Green (62%)

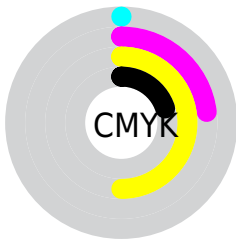
Blue (40%)



Red (73%)

Yellow (80%)

Blue (40%)

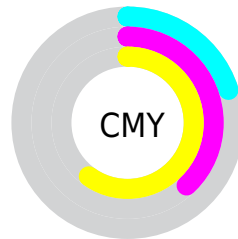


Cyan (0%)

Magenta (23%)

Yellow (50%)

Black (20%)



Cyan (20%)

Magenta (38%)

Yellow (60%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.0345, 37.7500, 17.5411 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 39.0345, 37.7500, 17.5411 by changing the saturation by 10% instead.



39.0345, 37.7500,  
17.5411

39.0345, 37.7500,  
17.5411

333.2418,  
336.5463, 250.4202

26.9674, 25.7887,  
10.4550

72.9848, 71.7248,  
40.0571

17.6852, 16.6656,  
5.5921

95.5986, 94.5071,  
56.3241

10.8225, 9.9964,  
2.5340

122.4588,  
121.6652, 76.4885

6.0140, 5.3966,  
0.8581

153.9307,  
153.5835, 100.9689

2.8944, 2.4818,  
0.0000

190.3795,  
190.6463, 130.1836

1.0981, 0.8675,  
0.0000

232.1708,

0.0236, 0.0000,

233.2381, 164.5514

0.0000

279.6697,  
281.7433, 204.4908

■ 0.0000, 0.0000,  
0.0000

■ 39.0345, 37.7500,  
17.5411

■ 39.0345, 37.7500,  
17.5411

■ 36.6691, 34.4193,  
12.4370

■ 41.7634, 41.4147,  
23.9790

■ 34.6436, 31.4047,  
8.5667

■ 44.8721, 45.4195,  
31.8366

■ 32.9353, 28.6944,  
5.8193

■ 48.3790, 49.7770,  
41.1947

■ 31.5164, 26.2731,  
4.0627

■ 52.3004, 54.4973,  
52.1279

■ 30.3633, 24.1660,  
3.0642

■ 56.6515, 59.5902,  
64.7053

■ 61.4468, 65.0650,  
78.9921

■ 66.6999, 70.9304,  
95.0500

■ 71.0413, 76.6420,  
105.6569

■ 73.6596, 81.8786,  
106.5296

# Harmonies

## Analogous

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



44.4611, 37.7500, 22.7955



39.0345, 37.7500, 17.5411



33.2810, 37.7500, 17.3671

# Triad

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



39.0345, 37.7500, 17.5411



26.1701, 37.7500, 49.2169



44.1229, 37.7500, 68.4361

# Complementary

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



39.0345, 37.7500, 17.5411



26.5796, 27.9448, 60.4927

# 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.



38.6114, 37.7500, 80.2061



39.0345, 37.7500, 17.5411



28.4812, 37.7500, 67.2607

# Square

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



39.0345, 37.7500, 17.5411



26.2573, 37.7500, 32.9327



32.9007, 37.7500, 79.7261



47.6066, 37.7500, 50.5245



# Rectangle

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



39.0345, 37.7500, 17.5411



30.0484, 37.7500, 20.0053



32.9007, 37.7500, 79.7261



42.4217, 37.7500, 73.4318

# Sweetspot

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



39.0354, 37.7518, 17.5418



84.2342, 87.2614, 77.8788



34.6753, 24.1614, 31.1030



17.7327, 18.3190, 15.8450



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.



39.0354, 37.7518, 17.5418



61.1987, 57.3401, 20.4126



47.4175, 55.8756, 20.5983



11.7143, 12.2176, 11.8203



19.4153, 15.5635, 1.9808



1.0768, 0.9532, 0.1272



# Inverse Universe

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



26.5796, 27.9448, 60.4927



38.0911, 39.1679, 100.1603



21.1890, 16.5867, 58.5844



11.0114, 11.6632, 14.2412



9.3587, 7.7413, 36.9572

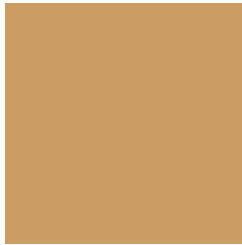


0.5582, 0.5502, 1.9317



# Previews

## White Background



This preview shows how the XYZ color 39.0345, 37.7500, 17.5411 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 39.0345, 37.7500, 17.5411 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

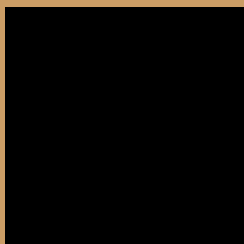
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 39.0345, 37.7500, 17.5411**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.0345, 37.7500, 17.5411.



This preview shows how white text looks on a background with the XYZ color 39.0345, 37.7500,



# 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

39.0345, 37.7500, 17.5411

### Protanopia

34.9573, 37.9752, 18.5842

### Deuteranopia

38.6632, 37.8108, 17.5724



## Tritanopia

43.3518, 37.7958, 38.7286

# Trichromacy



**Original Color**

39.0345, 37.7500, 17.5411

**Protanomaly**

36.2844, 37.8650, 18.2282

**Deuteranomaly**

38.9329, 37.9499, 17.5850

**Tritanomaly**

41.5050, 37.7684, 29.5286

# Monochromacy



**Original Color**

39.0345, 37.7500, 17.5411

**Achromatopsia**

35.2861, 37.1238, 40.4278

**Achromatomaly**

35.9127, 36.8778, 30.4246

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.0345, 37.7500, 17.5411 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(203, 157, 101)` looks like.

```
.text, #text, p{  
    color:rgb(203, 157, 101)  
}
```

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(203, 157, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 157, 101) }
```

## Border

The CSS property to change the border of an element to XYZ 39.0345, 37.7500, 17.5411 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(203, 157, 101) }
```



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

```
.border{ border-color:rgb(203, 157, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 157, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 157, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 157, 101);  
box-shadow:4px 4px 4px 4px rgb(203, 157,  
101) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.0345, 37.7500, 17.5411 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 157, 101) }
```

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

```
.background{ background-color: rgb(203,  
157, 101) }
```

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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