

# Converting Colors

XYZ(39.4644, 40.3751, 16.0264)

Have a look what the booklet for  
XYZ(39.4644, 40.3751, 16.0264)  
contains.

<b>XYZ(39.4314, 40.3421, 16.0645)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# **Color**

**XYZ(39.4314, 40.3421,  
16.0645)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C8A65D
RGB	200, 166, 93
RGB Percent	78%, 65%, 36%
CMY	0.2157, 0.3490, 0.6353
CMYK	0.00, 0.17, 0.53, 0.22
HSL	41°, 49%, 57%
HSV	41°, 53%, 78%
XYZ	39.4314, 40.3421, 16.0645
YIQ	167.8440, 43.6970, -15.4950

# Conversions

## Conversions Part 2

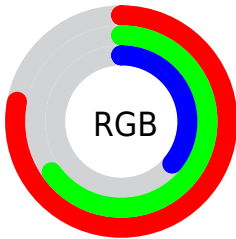
Format	Color
<b>RYB</b>	143, 200, 93
Decimal	13149789
CIELab	69.71, 3.46, 42.10
CIELCh	70, 42.241, 85.301
Yxy	40.3421, 0.4114, 0.4209
Android (android.graphics.Color)	4291339869 (0xFFC8A65D)
YUV	167.8440, -36.8981, 28.2008
Hunter-Lab	63.5154, -0.3363, 29.4650

# Details

The XYZ color **39.4314, 40.3421, 16.0645** is a light color, and the websafe version is hex **CC9966**. The color can be described as light muted orange. A complement of this color would be **22.5286, 21.6752, 57.6397**, and the grayscale version is **37.3040, 39.2468, 42.7397**.

A 20% lighter version of the original color is **72.2073, 75.0172, 37.4621**, and **17.7996, 18.0561, 4.9299** is the 20% darker color. If you saturate the color by 10%, you get **37.5324, 37.7812, 11.6181**, and if you desaturate by 10%, it is **41.6211, 43.1137, 21.7515**.

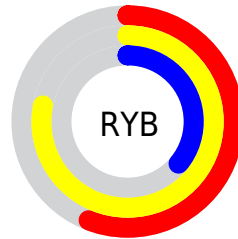
# Distribution



Red (78%)

Green (65%)

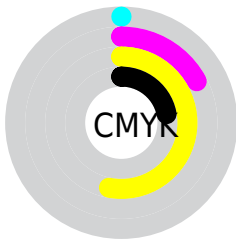
Blue (36%)



Red (56%)

Yellow (78%)

Blue (36%)

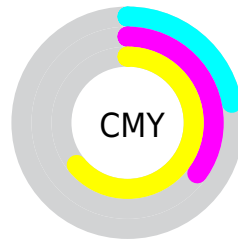


Cyan (0%)

Magenta (17%)

Yellow (53%)

Black (22%)



Cyan (22%)

Magenta (35%)


Yellow (64%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.4314, 40.3421, 16.0645 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 39.4314, 40.3421, 16.0645 by changing the saturation by 10% instead.





 39.4314, 40.3421,  
16.0645


 39.4314, 40.3421,  
16.0645


334.8968,  
347.5634, 241.5807


 27.2777, 27.8054,  
9.4150


 73.5867, 75.6842,  
37.4785

 17.9196, 18.1790,  
4.9123


 96.3191, 99.2583,  
53.0800

 10.9916, 11.0786,  
2.1381


 123.3085,  
127.2804, 72.5026

 6.1284, 6.1197,  
0.6383

 154.9201,  
160.1347, 96.1648

 2.9647, 2.9180,  
0.0000

191.5194,  
198.2058, 124.4852

 1.1351, 1.0891,  
0.0000

233.4717,

 0.0542, 0.0000,

241.8780, 157.8823

0.0000

281.1424,  
291.5358, 196.7746

■ 0.0000, 0.0000,  
0.0000

■ 39.4314, 40.3421,  
16.0645

■ 39.4314, 40.3421,  
16.0645

■ 37.5324, 37.7812,  
11.6181

■ 41.6211, 43.1137,  
21.7515

■ 35.9018, 35.4161,  
8.3122

■ 44.1159, 46.0984,  
28.7638

■ 34.5187, 33.2387,  
6.0354

■ 46.9324, 49.3056,  
37.1812

■ 33.3563, 31.2370,  
4.6521

■ 50.0853, 52.7425,  
47.0767

■ 32.6880, 30.0168,  
4.0710

■ 53.5882, 56.4156,  
58.5182

■ 57.4537, 60.3313,  
71.5691

■ 61.6940, 64.4955,  
86.2895

■ 66.3206, 68.9140,  
102.7363

■ 68.3086, 72.3779,  
104.9778

# Harmonies

## Analogous

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



46.3287, 40.3421, 19.6653



39.4314, 40.3421, 16.0645



32.9932, 40.3421, 17.9144

# Triad

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



39.4314, 40.3421, 16.0645



27.6403, 40.3421, 62.0702



50.2053, 40.3421, 69.0457

# Complementary

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



39.4314, 40.3421, 16.0645



22.5286, 21.6752, 57.6397

# 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.



44.2440, 40.3421, 87.5366



39.4314, 40.3421, 16.0645



31.3338, 40.3421, 82.7409

# Square

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



39.4314, 40.3421, 16.0645



26.6730, 40.3421, 40.9120



37.2767, 40.3421, 93.1751



53.0021, 40.3421, 47.0839



# Rectangle

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



39.4314, 40.3421, 16.0645



29.7345, 40.3421, 22.4016



37.2767, 40.3421, 93.1751



48.4730, 40.3421, 76.1028

# Sweetspot

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



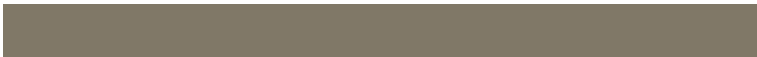
39.4324, 40.3440, 16.0653



85.1664, 89.6518, 76.5681



31.6743, 21.6846, 23.1695



17.9819, 18.9210, 15.6088



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.



39.4324, 40.3440, 16.0653



64.5543, 64.8118, 19.1870



41.9609, 52.0641, 18.1942



11.2288, 11.8267, 11.2537



20.8679, 19.2530, 2.6163



1.0512, 1.0378, 0.1449



# Inverse Universe

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



22.5286, 21.6752, 57.6397



32.3641, 29.3258, 98.5624



20.8746, 15.3680, 56.5094



10.3271, 10.8284, 13.4633



7.8501, 5.0942, 35.3139



0.4375, 0.3728, 1.6940



# Previews

## White Background



This preview shows how the XYZ color 39.4314, 40.3421, 16.0645 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

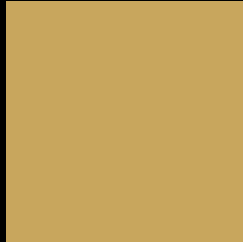
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 39.4314, 40.3421, 16.0645 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

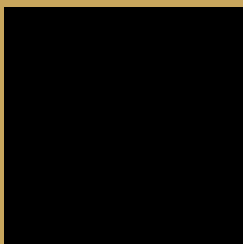
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 39.4314, 40.3421, 16.0645**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.4314, 40.3421, 16.0645.



This preview shows how white text looks on a background with the XYZ color 39.4314, 40.3421,



# 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

39.4314, 40.3421, 16.0645

### Protanopia

37.1220, 40.5168, 16.6905

### Deuteranopia

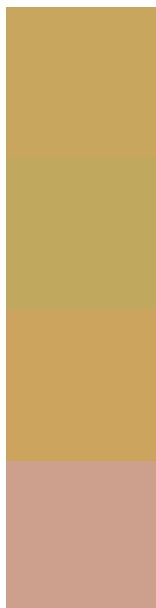
41.1300, 40.4124, 16.2223



## Tritanopia

44.9505, 40.2439, 42.9348

# Trichromacy



## Original Color

39.4314, 40.3421, 16.0645

## Protanomaly

37.9466, 40.3906, 16.3858

## Deuteranomaly

40.4727, 40.3382, 16.2426

## Tritanomaly

42.2804, 39.9021, 30.6728

# Monochromacy



## Original Color

39.4314, 40.3421, 16.0645

## Achromatopsia

37.2190, 39.1572, 42.6422

## Achromatomaly

37.4488, 39.2638, 30.8042

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.4314, 40.3421, 16.0645 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(200, 166, 93)` looks like.

```
.text, #text, p{  
    color:rgb(200, 166, 93)  
}
```

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(200, 166, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 166, 93) }
```

## Border

The CSS property to change the border of an element to XYZ 39.4314, 40.3421, 16.0645 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(200, 166, 93) }
```



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

```
.border{ border-color:rgb(200, 166, 93) }
```

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

Here you see how a box with a 4 pixel rgb(200, 166, 93) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 166, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 166, 93);  
box-shadow:4px 4px 4px 4px rgb(200, 166,  
93) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.4314, 40.3421, 16.0645 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 166, 93) }
```

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

```
.background{ background-color: rgb(200,  
166, 93) }
```

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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