

# Converting Colors

XYZ(39.4366, 36.2829, 23.3407)

Have a look what the booklet for  
XYZ(39.4366, 36.2829, 23.3407)  
contains.

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# Color

**XYZ(39.4813, 36.3757,  
23.3527)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CC977A
RGB	204, 151, 122
RGB Percent	80%, 59%, 48%
CMY	0.2000, 0.4078, 0.5216
CMYK	0.00, 0.26, 0.40, 0.20
HSL	21°, 45%, 64%
HSV	21°, 40%, 80%
XYZ	39.4813, 36.3757, 23.3527
YIQ	163.5410, 40.8970, 2.2170

# Conversions

## Conversions Part 2

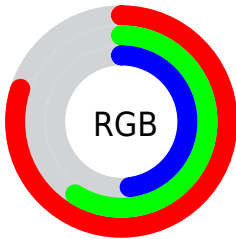
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	204, 167, 122
Decimal	13408122
CIE Lab	66.81, 16.15, 23.05
CIE LCh	67, 28.144, 54.993
Yxy	36.3757, 0.3980, 0.3667
Android (android.graphics.Color)	4291598202 (0xFFCC977A)
YUV	163.5410, -20.4797, 35.4825
Hunter-Lab	60.3123, 11.3023, 19.2617

# Details

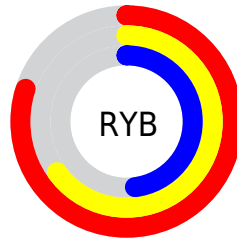
The XYZ color **39.4813, 36.3757, 23.3527** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **34.2545, 39.1558, 62.8791**, and the grayscale version is **35.1499, 36.9804, 40.2717**.

A 20% lighter version of the original color is **70.8092, 68.0178, 49.9541**, and **17.9725, 15.8913, 8.4234** is the 20% darker color. If you saturate the color by 10%, you get **36.3432, 31.9144, 16.7116**, and if you desaturate by 10%, it is **43.1239, 41.4212, 31.4717**.

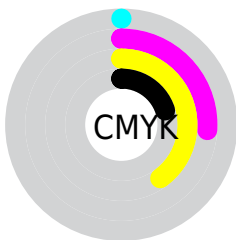
# Distribution



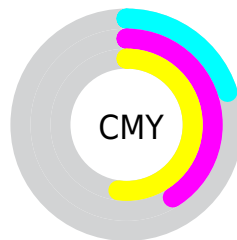
- Red (80%)
- Green (59%)
- Blue (48%)



- Red (80%)
- Yellow (65%)
- Blue (48%)



- Cyan (0%)
- Magenta (26%)
- Yellow (40%)
- Black (20%)




- Cyan (20%)
- Magenta (41%)
- Yellow (52%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.4813, 36.3757, 23.3527 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 39.4813, 36.3757, 23.3527 by changing the saturation by 10% instead.





 39.4813, 36.3757,  
23.3527


 39.4813, 36.3757,  
23.3527


335.1045,  
330.5997, 282.7118


 27.3168, 24.7245,  
14.6464


 73.6624, 69.6116,  
49.9023

 17.9491, 15.8719,  
8.4278


 96.4096, 91.9650,  
68.5827

 11.0129, 9.4336,  
4.2782


 123.4152,  
118.6546, 91.4250

 6.1429, 5.0250,  
1.7792

155.0443,  
150.0649, 118.8475

 2.9736, 2.2620,  
0.4142

191.6625,  
186.5801, 151.2689

 1.1398, 0.7535,  
0.0000

233.6350,

 0.0581, 0.0000,

228.5847, 189.1077

0.0000

281.3272,  
276.4631, 232.7825

■ 0.0000, 0.0000,  
0.0000

■ 39.4813, 36.3757,  
23.3527

■ 39.4813, 36.3757,  
23.3527

■ 36.3432, 31.9144,  
16.7116

■ 43.1239, 41.4212,  
31.4717

■ 33.6823, 28.0099,  
11.4554

■ 47.2910, 47.0668,  
41.1494

■ 31.4727, 24.6400,  
7.4841


■ 52.0046, 53.3338,  
52.4633


■ 29.6845, 21.7789,  
4.6827


■ 57.2848, 60.2413,  
65.4849

■ 28.2832, 19.3981,  
2.9154

■ 63.1505, 67.8072,  
80.2817

 27.2294, 17.4924,  
1.9412

 69.6197, 76.0488,  
96.9174

 75.0909, 84.3354,  
106.9284

 78.7118, 91.5774,  
108.1354

# Harmonies

## Analogous

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



42.5291, 36.3757, 30.5120



39.4813, 36.3757, 23.3527



35.2927, 36.3757, 20.5557

# Triad

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



39.4813, 36.3757, 23.3527



27.0499, 36.3757, 37.5977



38.1459, 36.3757, 64.8554

# Complementary

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



39.4813, 36.3757, 23.3527



34.2545, 39.1558, 62.8791

# 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.



33.8651, 36.3757, 67.8225



39.4813, 36.3757, 23.3527



27.6784, 36.3757, 50.3504

# Square

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



39.4813, 36.3757, 23.3527



28.2984, 36.3757, 27.6321



30.0912, 36.3757, 62.0566



41.7149, 36.3757, 54.6209



# Rectangle

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



39.4813, 36.3757, 23.3527



32.5011, 36.3757, 21.0163



30.0912, 36.3757, 62.0566



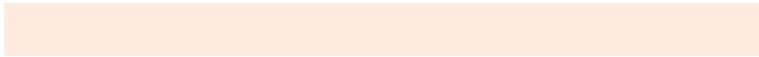
36.7333, 36.3757, 66.8141

# Sweetspot

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



39.4822, 36.3774, 23.3534



84.5213, 86.2083, 82.9909



39.6290, 29.8637, 44.3879



17.8637, 18.1511, 17.2141



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.



39.4822, 36.3774, 23.3534



60.9507, 53.9516, 29.2469



47.1986, 51.8103, 25.9256



11.5316, 11.8521, 11.7593



17.2184, 11.1698, 1.2485



0.9594, 0.7184, 0.0881

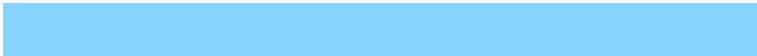


# Inverse Universe

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



34.2545, 39.1558, 62.8791



51.1298, 59.1140, 103.3231



27.4921, 25.6309, 60.6250



11.1964, 12.0333, 14.3029



12.1305, 13.2849, 37.8812



0.6956, 0.8249, 1.9775



# Previews

## White Background



This preview shows how the XYZ color 39.4813, 36.3757, 23.3527 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

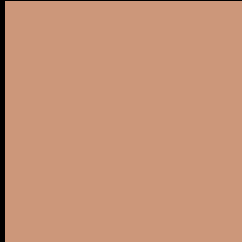
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 39.4813, 36.3757, 23.3527 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 39.4813, 36.3757, 23.3527**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.4813, 36.3757, 23.3527.



This preview shows how white text looks on a background with the XYZ color 39.4813, 36.3757,



# 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

39.4813, 36.3757, 23.3527

### Protanopia

34.1615, 36.6109, 25.3448

### Deuteranopia

37.0779, 36.3639, 23.1539



## Tritanopia

42.0968, 36.2575, 36.6779

# Trichromacy



**Original Color**

39.4813, 36.3757, 23.3527

**Protanomaly**

35.8670, 36.4673, 24.5505

**Deuteranomaly**

37.7717, 36.2274, 23.0910

**Tritanomaly**

41.0775, 36.3152, 31.2301

# Monochromacy



**Original Color**

39.4813, 36.3757, 23.3527

**Achromatopsia**

35.2861, 37.1238, 40.4278

**Achromatomaly**

36.4134, 36.5499, 33.5694

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.4813, 36.3757, 23.3527 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(204, 151, 122)` looks like.

```
.text, #text, p{  
    color:rgb(204, 151, 122)  
}
```

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(204, 151, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 151, 122) }
```

## Border

The CSS property to change the border of an element to XYZ 39.4813, 36.3757, 23.3527 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(204, 151, 122) }
```



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

```
.border{ border-color:rgb(204, 151, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 151, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 151, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 151, 122);  
box-shadow:4px 4px 4px 4px rgb(204, 151,  
122) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.4813, 36.3757, 23.3527 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 151, 122) }
```

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

```
.background{ background-color: rgb(204,  
151, 122) }
```

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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