

# Converting Colors

XYZ(39.0752, 38.9705, 23.1066)

Have a look what the booklet for  
XYZ(39.0752, 38.9705, 23.1066)  
contains.

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# Color

**XYZ(39.0754, 38.9325,  
23.2245)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C4A278
RGB	196, 162, 120
RGB Percent	77%, 64%, 47%
CMY	0.2314, 0.3647, 0.5294
CMYK	0.00, 0.17, 0.39, 0.23
HSL	33°, 39%, 62%
HSV	33°, 39%, 77%
XYZ	39.0754, 38.9325, 23.2245
YIQ	167.3780, 33.7460, -5.8540

# Conversions

## Conversions Part 2

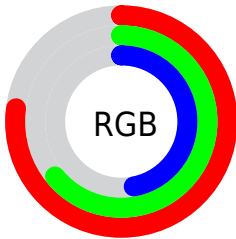
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	182, 196, 120
Decimal	12886648
CIE <sub>Lab</sub>	68.70, 6.69, 26.54
CIE <sub>LCh</sub>	69, 27.371, 75.856
Yxy	38.9325, 0.3860, 0.3846
Android (android.graphics.Color)	4291076728 (0xFFC4A278)
YUV	167.3780, -23.3574, 25.1015
Hunter-Lab	62.3959, 2.5927, 21.6087

# Details

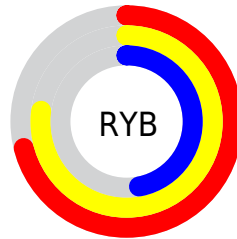
The XYZ color **39.0754, 38.9325, 23.2245** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **29.2646, 31.0886, 56.6827**, and the grayscale version is **37.0147, 38.9424, 42.4083**.

A 20% lighter version of the original color is **73.2287, 73.7137, 49.9038**, and **17.6978, 17.2695, 8.3618** is the 20% darker color. If you saturate the color by 10%, you get **36.5148, 35.5241, 17.0910**, and if you desaturate by 10%, it is **41.9891, 42.6573, 30.6778**.

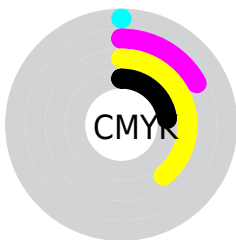
# Distribution



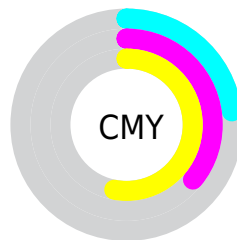
- Red (77%)
- Green (64%)
- Blue (47%)



- Red (71%)
- Yellow (77%)
- Blue (47%)



- Cyan (0%)
- Magenta (17%)
- Yellow (39%)
- Black (23%)




- Cyan (23%)
- Magenta (36%)
- Yellow (53%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.0754, 38.9325, 23.2245 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 39.0754, 38.9325, 23.2245 by changing the saturation by 10% instead.





 39.0754, 38.9325,  
23.2245


 39.0754, 38.9325,  
23.2245


333.4126,  
341.6034, 282.0352


 26.9994, 26.7072,  
14.5525


 73.0468, 73.5352,  
49.6896

 17.7093, 17.3535,  
8.3628


 95.6729, 96.6814,  
68.3197

 10.8399, 10.4868,  
4.2369


 122.5465,  
124.2367, 91.1063

 6.0258, 5.7229,  
1.7562

154.0327,  
156.5855, 118.4679

 2.9016, 2.6773,  
0.3988

190.4971,  
194.1121, 150.8231

 1.1019, 0.9657,  
0.0000

232.3050,

 0.0267, 0.0000,

237.2011, 188.5903

0.0000

279.8217,  
286.2367, 232.1882

■ 0.0000, 0.0000,  
0.0000

■ 39.0754, 38.9325,  
23.2245

■ 39.0754, 38.9325,  
23.2245

■ 36.5148, 35.5241,  
17.0910

■ 41.9891, 42.6573,  
30.6778

■ 34.2874, 32.4163,  
12.1954

■ 45.2688, 46.7029,  
39.5212

■ 32.3751, 29.5998,  
8.4504

■ 48.9303, 51.0800,  
49.8231

■ 30.7569, 27.0624,  
5.7558

■ 52.9873, 55.7976,  
61.6464

■ 29.4081, 24.7904,  
3.9942

■ 57.4530, 60.8639,  
75.0504

■ 28.2897, 22.7642,  
2.9719

■ 62.3398, 66.2870,  
90.0912

■ 28.1621, 22.5301,  
2.8644

■ 67.3030, 71.9320,  
104.9448

■ 69.7117, 76.7494,  
105.7477

■ 72.2435, 81.8130,  
106.5916

# Harmonies

## Analogous

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



43.1084, 38.9325, 27.4844



39.0754, 38.9325, 23.2245



34.7766, 38.9325, 23.3481

# Triad

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



39.0754, 38.9325, 23.2245



29.5618, 38.9325, 49.2420



43.3033, 38.9325, 61.2524

# Complementary

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



39.0754, 38.9325, 23.2245



29.2646, 31.0886, 56.6827

# 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.



39.3249, 38.9325, 69.7012



39.0754, 38.9325, 23.2245



31.5052, 38.9325, 61.8979

# Square

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



39.0754, 38.9325, 23.2245



29.5065, 38.9325, 36.8291



35.0075, 38.9325, 69.9581



45.6752, 38.9325, 48.4862



# Rectangle

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



39.0754, 38.9325, 23.2245



32.3403, 38.9325, 25.8587



35.0075, 38.9325, 69.9581



42.0962, 38.9325, 64.7921

# Sweetspot

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



39.0764, 38.9343, 23.2253



86.2967, 89.7593, 83.5827



35.3310, 27.5088, 34.1071



18.2809, 18.9854, 17.3532



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.



39.0764, 38.9343, 23.2253



66.6015, 64.9690, 32.0071



44.9190, 52.0684, 25.4525



10.5243, 10.9801, 10.6266



18.1824, 14.6506, 1.8695



0.8536, 0.7689, 0.1034

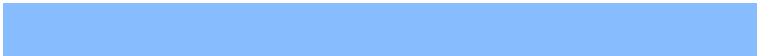


# Inverse Universe

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



29.2646, 31.0886, 56.6827



46.2118, 48.6752, 101.5674



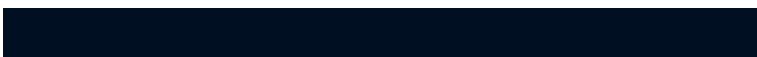
24.9639, 21.6891, 55.0951



9.8909, 10.4732, 12.7850



8.7105, 7.1775, 34.4829

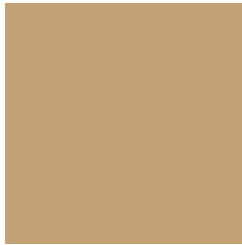


0.4450, 0.4475, 1.5128



# Previews

## White Background



This preview shows how the XYZ color 39.0754, 38.9325, 23.2245 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

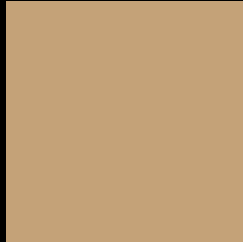
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 39.0754, 38.9325, 23.2245 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

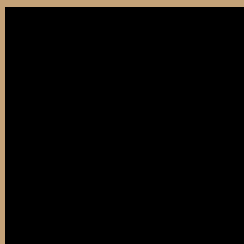
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 39.0754, 38.9325, 23.2245**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.0754, 38.9325, 23.2245.



This preview shows how white text looks on a background with the XYZ color 39.0754, 38.9325,



# 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

39.0754, 38.9325, 23.2245

### Protanopia

36.3379, 39.1137, 24.0468

### Deuteranopia

39.6882, 38.9879, 23.2029



## Tritanopia

43.0437, 39.0216, 42.3091

# Trichromacy



## Original Color

39.0754, 38.9325, 23.2245

## Protanomaly

37.3371, 39.0920, 23.6668

## Deuteranomaly

39.4237, 38.8516, 23.1905

## Tritanomaly

41.3660, 38.8302, 34.5929

# Monochromacy



## Original Color

39.0754, 38.9325, 23.2245

## Achromatopsia

36.7301, 38.6429, 42.0822

## Achromatomaly

37.3203, 38.5773, 34.3333

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.0754, 38.9325, 23.2245 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(196, 162, 120)` looks like.

```
.text, #text, p{  
    color:rgb(196, 162, 120)  
}
```

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(196, 162, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 162, 120) }
```

## Border

The CSS property to change the border of an element to XYZ 39.0754, 38.9325, 23.2245 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(196, 162, 120) }
```



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

```
.border{ border-color:rgb(196, 162, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 162, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 162, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 162, 120);  
box-shadow:4px 4px 4px 4px rgb(196, 162,  
120) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.0754, 38.9325, 23.2245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 162, 120) }
```

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

```
.background{ background-color: rgb(196,  
162, 120) }
```

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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