

# Converting Colors

XYZ(42.7916, 38.4972, 39.9197)

Have a look what the booklet for  
XYZ(42.7916, 38.4972, 39.9197)  
contains.

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# Color

**XYZ(42.7951, 38.4521,  
39.8168)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CB9AA3
RGB	203, 154, 163
RGB Percent	80%, 60%, 64%
CMY	0.2039, 0.3961, 0.3608
CMYK	0.00, 0.24, 0.20, 0.20
HSL	349°, 32%, 70%
HSV	349°, 24%, 80%
XYZ	42.7951, 38.4521, 39.8168
YIQ	169.6770, 26.3150, 13.1870

# Conversions

## Conversions Part 2

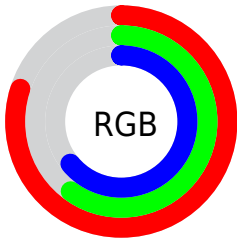
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	203, 154, 163
Decimal	13343395
CIE Lab	68.35, 19.64, 2.41
CIE LCh	68, 19.786, 7.010
Yxy	38.4521, 0.3535, 0.3176
Android (android.graphics.Color)	4291533475 (0xFFCB9AA3)
YUV	169.6770, -3.2918, 29.2243
Hunter-Lab	62.0098, 14.6720, 5.3364

# Details

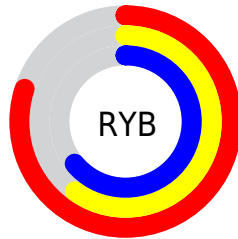
The XYZ color **42.7951, 38.4521, 39.8168** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **44.4216, 53.4779, 59.0226**, and the grayscale version is **38.0553, 40.0372, 43.6005**.

A 20% lighter version of the original color is **76.6954, 71.9229, 76.1699**, and **19.9322, 17.1441, 17.2975** is the 20% darker color. If you saturate the color by 10%, you get **38.3348, 31.7540, 31.4778**, and if you desaturate by 10%, it is **48.0187, 46.3647, 49.3712**.

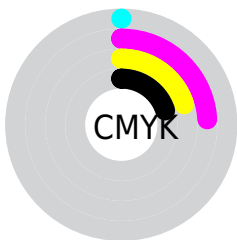
# Distribution



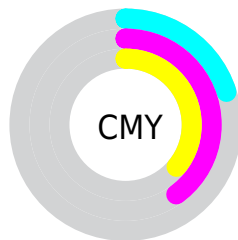
- Red (80%)
- Green (60%)
- Blue (64%)



- Red (80%)
- Yellow (60%)
- Blue (64%)



- Cyan (0%)
- Magenta (24%)
- Yellow (20%)
- Black (20%)




- Cyan (20%)
- Magenta (40%)
- Yellow (36%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.7951, 38.4521, 39.8168 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 42.7951, 38.4521, 39.8168 by changing the saturation by 10% instead.





 42.7951, 38.4521,  
39.8168


 42.7951, 38.4521,  
39.8168


348.7043,  
339.5554, 360.8799

 29.9182, 26.3338,  
27.0830


 78.6592, 72.8006,  
76.1185

 19.9243, 17.0735,  
17.4026


 102.3771, 95.7995,  
100.5235

 12.4480, 10.2869,  
10.3570


130.4394,  
123.1940, 129.6560

 7.1239, 5.5896,  
5.5276

163.2115,  
155.3686, 163.9346

 3.5867, 2.5972,  
2.4959

201.0587,  
192.7077, 203.7777

 1.4711, 0.9252,  
0.8380

244.3463,

 0.3060, 0.0000,

235.5956, 249.6039

0.0000

293.4397,  
284.4167, 301.8318

■ 0.0000, 0.0000,  
0.0000

■ 42.7951, 38.4521,  
39.8168

■ 42.7951, 38.4521,  
39.8168

■ 38.3348, 31.7540,  
31.4778

■ 48.0187, 46.3647,  
49.3712

■ 34.5988, 26.2052,  
24.3029

■ 54.0360, 55.5423,  
60.1849

■ 31.5489, 21.7424,  
18.2403

■ 60.8797, 66.0391,  
72.3024

■ 29.1427, 18.2937,  
13.2335

■ 68.5796, 77.9044,  
85.7654

■ 27.3325, 15.7791,  
9.2211

■ 77.0026, 90.8621,  
100.5599

■ 26.0639, 14.1059,  
6.1347

■ 78.4388, 91.4366,  
108.1226

■ 25.2720, 13.1624,  
3.8971

■ 24.9670, 12.8319,  
2.9337

# Harmonies

## Analogous

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



42.3199, 38.4521, 48.9026



42.7951, 38.4521, 39.8168



41.5221, 38.4521, 32.4011

# Triad

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



42.7951, 38.4521, 39.8168



33.0724, 38.4521, 29.6514



34.2664, 38.4521, 59.6506

# Complementary

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



42.7951, 38.4521, 39.8168



44.4216, 53.4779, 59.0226

# 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.



31.9872, 38.4521, 53.0192



42.7951, 38.4521, 39.8168



31.3255, 38.4521, 35.5422

# Square

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



42.7951, 38.4521, 39.8168



35.8242, 38.4521, 27.0948



30.9397, 38.4521, 43.9881



37.2806, 38.4521, 61.2209



# Rectangle

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



42.7951, 38.4521, 39.8168



39.8935, 38.4521, 29.1085



30.9397, 38.4521, 43.9881



33.3942, 38.4521, 57.8981

# Sweetspot

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



42.7962, 38.4539, 39.8176



87.3594, 88.2320, 95.1975



44.3797, 38.7887, 61.6482



18.5635, 18.6792, 20.1343



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.



42.7962, 38.4539, 39.8176



67.5823, 58.2514, 59.0911



44.5948, 43.2957, 36.5806



11.2951, 11.2468, 12.0884



15.9134, 8.1760, 1.9969



0.8471, 0.4322, 0.2405



# Inverse Universe

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



42.7962, 38.4539, 39.8176



67.5823, 58.2514, 59.0911



42.1548, 47.2779, 63.4041



11.2951, 11.2468, 12.0884



15.9134, 8.1760, 1.9969



0.8471, 0.4322, 0.2405



# Previews

## White Background



This preview shows how the XYZ color 42.7951, 38.4521, 39.8168 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

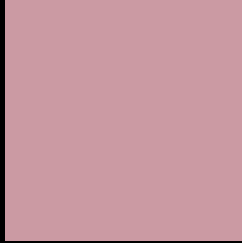
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 42.7951, 38.4521, 39.8168 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 42.7951, 38.4521, 39.8168**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.7951, 38.4521, 39.8168.



This preview shows how white text looks on a background with the XYZ color 42.7951, 38.4521,



# 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

42.7951, 38.4521, 39.8168

### Protanopia

37.2541, 38.6097, 43.5191

### Deuteranopia

39.2740, 38.4127, 39.5268



## Tritanopia

42.9757, 38.5243, 40.7682

# Trichromacy



## Original Color

42.7951, 38.4521, 39.8168

## Protanomaly

38.9514, 38.4544, 41.9287

## Deuteranomaly

40.4867, 38.2688, 39.4352

## Tritanomaly

42.8850, 38.4880, 40.2906

# Monochromacy



## Original Color

42.7951, 38.4521, 39.8168

## Achromatopsia

38.2080, 40.1978, 43.7754

## Achromatomaly

39.5419, 39.2860, 42.0581

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.7951, 38.4521, 39.8168 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, 154, 163)` looks like.

```
.text, #text, p{  
    color:rgb(203, 154, 163)  
}
```

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, 154, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 154, 163) }
```

## Border

The CSS property to change the border of an element to XYZ 42.7951, 38.4521, 39.8168 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, 154, 163) }
```



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

```
.border{ border-color:rgb(203, 154, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 154, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 154, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 154, 163);  
box-shadow:4px 4px 4px 4px rgb(203, 154,  
163) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.7951, 38.4521, 39.8168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 154, 163) }
```

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

```
.background{ background-color: rgb(203,  
154, 163) }
```

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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