

# Converting Colors

XYZ(39.5343, 38.2340, 29.4323)

Have a look what the booklet for  
XYZ(39.5343, 38.2340, 29.4323)  
contains.

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# Color

**XYZ(39.4913, 38.2334,  
29.3431)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C39F8A
RGB	195, 159, 138
RGB Percent	76%, 62%, 54%
CMY	0.2353, 0.3765, 0.4588
CMYK	0.00, 0.18, 0.29, 0.24
HSL	22°, 32%, 65%
HSV	22°, 29%, 76%
XYZ	39.4913, 38.2334, 29.3431
YIQ	167.3700, 28.1970, 1.1010

# Conversions

## Conversions Part 2

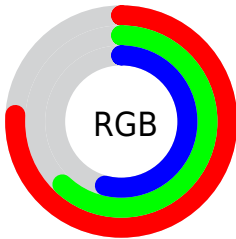
Format	Color
R <sub>YB</sub>	195, 171, 138
Decimal	12820362
CIE Lab	68.19, 10.20, 15.97
CIE LCh	68, 18.954, 57.437
Yxy	38.2334, 0.3688, 0.3571
Android (android.graphics.Color)	4291010442 (0xFFC39F8A)
YUV	167.3700, -14.4794, 24.2315
Hunter-Lab	61.8332, 5.7955, 15.1470

# Details

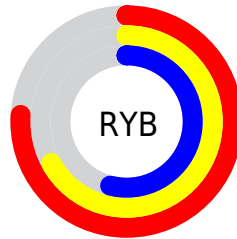
The XYZ color **39.4913, 38.2334, 29.3431** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **35.4672, 39.6143, 57.4070**, and the grayscale version is **36.9708, 38.8961, 42.3579**.

A 20% lighter version of the original color is **73.5954, 72.5502, 59.4149**, and **17.9392, 17.0052, 11.5693** is the 20% darker color. If you saturate the color by 10%, you get **36.1913, 33.6935, 21.8921**, and if you desaturate by 10%, it is **43.2578, 43.3003, 38.2010**.

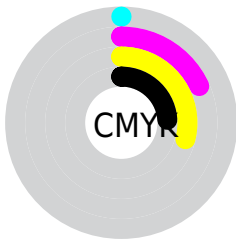
# Distribution



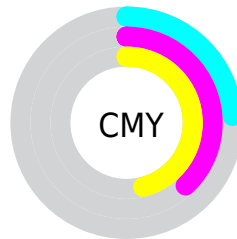
- Red (76%)
- Green (62%)
- Blue (54%)



- Red (76%)
- Yellow (67%)
- Blue (54%)



- Cyan (0%)
- Magenta (18%)
- Yellow (29%)
- Black (24%)




- Cyan (24%)
- Magenta (38%)
- Yellow (46%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.4913, 38.2334, 29.3431 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 39.4913, 38.2334, 29.3431 by changing the saturation by 10% instead.





 39.4913, 38.2334,  
29.3431


 39.4913, 38.2334,  
29.3431


335.1461,  
338.6201, 312.9418


 27.3246, 26.1639,  
19.0927


 73.6775, 72.4657,  
59.6704

 17.9550, 16.9463,  
11.5598

 96.4278, 95.3974,  
80.5845

 11.0172, 10.1962,  
6.3258


 123.4365,  
122.7185, 105.8901

 6.1458, 5.5292,  
2.9722

155.0692,  
154.8134, 136.0060

 2.9754, 2.5610,  
1.0805

191.6912,  
192.0667, 171.3505

 1.1408, 0.9071,  
0.0000

233.6677,

 0.0588, 0.0000,

234.8627, 212.3423

0.0000

281.3642,  
283.5857, 259.3999

■ 0.0000, 0.0000,  
0.0000

■ 39.4913, 38.2334,  
29.3431

■ 39.4913, 38.2334,  
29.3431

■ 36.1913, 33.6935,  
21.8921

■ 43.2578, 43.3003,  
38.2010

■ 33.3351, 29.6574,  
15.7722

■ 47.5062, 48.9056,  
48.5315

■ 30.9025, 26.1082,  
10.9038

■ 52.2550, 55.0670,  
60.3991

■ 28.8701, 23.0258,  
7.1979

■ 57.5206, 61.8000,  
73.8636

■ 27.2122, 20.3884,  
4.5536

■ 63.3186, 69.1192,  
88.9817

■ 25.8990, 18.1720,  
2.8520

■ 69.6639, 77.0385,  
105.8060

■ 24.8837, 16.3448,  
1.8865

■ 73.2705, 84.2516,  
107.0082

■ 24.8139, 16.2183,  
1.8226

■ 76.3158, 90.3421,  
108.0233

# Harmonies

## Analogous

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



41.6310, 38.2334, 34.5589



39.4913, 38.2334, 29.3431



36.5949, 38.2334, 27.3716

# Triad

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



39.4913, 38.2334, 29.3431



30.9431, 38.2334, 40.9047



39.0269, 38.2334, 57.8444

# Complementary

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



39.4913, 38.2334, 29.3431



35.4672, 39.6143, 57.4070

# 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.



36.0857, 38.2334, 60.1377



39.4913, 38.2334, 29.3431



31.5169, 38.2334, 49.6046

# Square

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



39.4913, 38.2334, 29.3431



31.7490, 38.2334, 33.4551



33.3604, 38.2334, 56.9411



41.3529, 38.2334, 51.0379



# Rectangle

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



39.4913, 38.2334, 29.3431



34.6601, 38.2334, 27.9296



33.3604, 38.2334, 56.9411



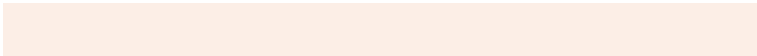
38.0728, 38.2334, 59.2059

# Sweetspot

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



39.4923, 38.2352, 29.3439



85.1572, 87.6860, 87.1007



39.2442, 32.8394, 44.3661



18.3889, 18.8624, 18.4350



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.



39.4923, 38.2352, 29.3439



66.9045, 63.2377, 43.8456



44.9487, 49.1480, 31.1627



10.3704, 10.6722, 10.5752



16.2017, 10.6891, 1.2093



0.7661, 0.5940, 0.0743

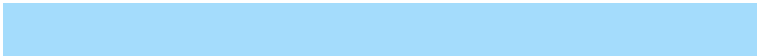


# Inverse Universe

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



35.4672, 39.6143, 57.4070



58.5356, 66.0883, 102.1410



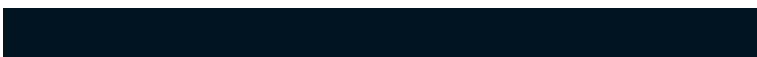
30.5493, 29.7785, 55.7677



10.0464, 10.7842, 12.8369



11.0998, 11.9562, 35.2794



0.5436, 0.6446, 1.5456



# Previews

## White Background



This preview shows how the XYZ color 39.4913, 38.2334, 29.3431 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 39.4913, 38.2334, 29.3431 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

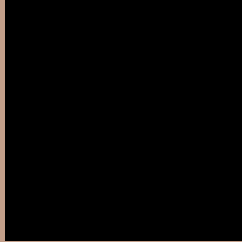
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 39.4913, 38.2334, 29.3431**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.4913, 38.2334, 29.3431.



This preview shows how white text looks on a background with the XYZ color 39.4913, 38.2334,



# 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

39.4913, 38.2334, 29.3431

### Protanopia

36.1231, 38.3095, 30.6899

### Deuteranopia

38.8965, 38.1831, 29.3648



## Tritanopia

41.9851, 38.2385, 41.7271

# Trichromacy



## Original Color

39.4913, 38.2334, 29.3431

## Protanomaly

37.1222, 38.0329, 30.1955

## Deuteranomaly

39.1506, 38.3140, 29.3766

## Tritanomaly

40.9152, 38.0476, 36.6399

# Monochromacy



## Original Color

39.4913, 38.2334, 29.3431

## Achromatopsia

36.7301, 38.6429, 42.0822

## Achromatomaly

37.4077, 38.2983, 36.8732

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.4913, 38.2334, 29.3431 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(195, 159, 138)` looks like.

```
.text, #text, p{  
    color:rgb(195, 159, 138)  
}
```

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(195, 159, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 159, 138) }
```

## Border

The CSS property to change the border of an element to XYZ 39.4913, 38.2334, 29.3431 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(195, 159, 138) }
```



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

```
.border{ border-color:rgb(195, 159, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 159, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 159, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 159, 138);  
box-shadow:4px 4px 4px 4px rgb(195, 159,  
138) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.4913, 38.2334, 29.3431 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 159, 138) }
```

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

```
.background{ background-color: rgb(195,  
159, 138) }
```

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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