

# Converting Colors

XYZ(39.3814, 38.9975, 55.6933)

Have a look what the booklet for  
XYZ(39.3814, 38.9975, 55.6933)  
contains.

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# Color

**XYZ(39.2633, 38.8362,  
55.8788)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A9A4C1
RGB	169, 164, 193
RGB Percent	66%, 64%, 76%
CMY	0.3372, 0.3568, 0.2431
CMYK	0.12, 0.15, 0.00, 0.24
HSL	250°, 19%, 70%
HSV	250°, 15%, 76%
XYZ	39.2633, 38.8362, 55.8788
YIQ	168.8010, -6.3290, 10.0790

# Conversions

## Conversions Part 2

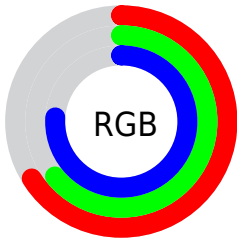
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	169, 164, 193
Decimal	11117761
CIE <sub>Lab</sub>	68.63, 7.58, -14.21
CIE <sub>LCh</sub>	69, 16.105, 298.097
Yxy	38.8362, 0.2931, 0.2899
Android (android.graphics.Color)	4289307841 (0xFFA9A4C1)
YUV	168.8010, 11.9301, 0.1745
Hunter-Lab	62.3187, 3.4045, -9.5400

# Details

The XYZ color **39.2633, 38.8362, 55.8788** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **46.5112, 51.5126, 42.6153**, and the grayscale version is **37.5599, 39.5160, 43.0329**.

A 20% lighter version of the original color is **73.1709, 73.3499, 99.9240**, and **17.7905, 17.2343, 26.8150** is the 20% darker color. If you saturate the color by 10%, you get **32.8482, 30.7857, 54.6636**, and if you desaturate by 10%, it is **46.6236, 48.1540, 57.2900**.

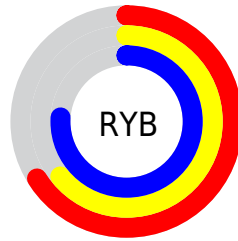
# Distribution



Red (66%)

Green (64%)

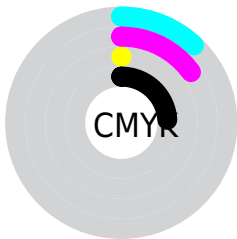
Blue (76%)



Red (66%)

Yellow (64%)

Blue (76%)

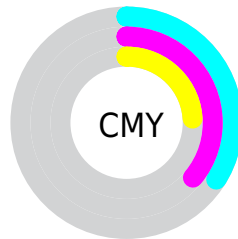


Cyan (12%)

Magenta (15%)

Yellow (0%)

Black (24%)



Cyan (34%)

Magenta (36%)

Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.2633, 38.8362, 55.8788 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 39.2633, 38.8362, 55.8788 by changing the saturation by 10% instead.



■ 39.2633, 38.8362,  
55.8788

■ 39.2633, 38.8362,  
55.8788

334.1966,  
341.1936, 426.6101

■ 27.1463, 26.6323,  
39.7024

■ 73.3319, 73.3880,  
100.3114

■ 17.8203, 17.2973,  
26.9946

■ 96.0141, 96.5048,  
129.4046

■ 10.9199, 10.4467,  
17.3367

122.9488,  
124.0279, 163.6406

■ 6.0799, 5.6961,  
10.3104

154.5013,  
156.3419, 203.4378

■ 2.9349, 2.6612,  
5.4969

191.0370,  
193.8310, 249.2149

■ 1.1194, 0.9575,  
2.4779

232.9212,

■ 0.0413, 0.0000,

236.8797, 301.3902

0.8284

280.5193,  
285.8725, 360.3824

■ 0.0000, 0.0000,  
0.0000

■ 39.2633, 38.8362,  
55.8788

■ 39.2633, 38.8362,  
55.8788

■ 32.8482, 30.7857,  
54.6636

■ 46.6236, 48.1540,  
57.2900

■ 27.3361, 23.9429,  
53.6334

■ 54.9620, 58.7858,  
58.9027

■ 22.6870, 18.2505,  
52.7796

■ 64.3138, 70.7818,  
60.7252

■ 18.8564, 13.6447,  
52.0925

■ 74.7119, 84.1880,  
62.7649

■ 15.7957, 10.0552,  
51.5610

■ 84.4062, 95.4861,  
64.4346

■ 13.4509, 7.4036,  
51.1728

■ 86.6258, 96.6303,  
64.5385

■ 11.7608, 5.5997,  
50.9137

■ 10.6530, 4.5346,  
50.7665

■ 10.2615, 4.1780,  
50.7183

# Harmonies

## Analogous

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



36.7505, 38.8362, 57.8799



39.2633, 38.8362, 55.8788



41.2205, 38.8362, 50.1254

# Triad

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



39.2633, 38.8362, 55.8788



39.5571, 38.8362, 31.4787



32.2389, 38.8362, 41.8227

# Complementary

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



39.2633, 38.8362, 55.8788



46.5112, 51.5126, 42.6153

# 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.



32.9159, 38.8362, 35.3098



39.2633, 38.8362, 55.8788



37.0752, 38.8362, 29.7794

# Square

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



39.2633, 38.8362, 55.8788



41.3955, 38.8362, 36.0288



34.6577, 38.8362, 31.0983



32.7657, 38.8362, 49.2288



# Rectangle

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



39.2633, 38.8362, 55.8788



41.9060, 38.8362, 45.2401



34.6577, 38.8362, 31.0983



32.3326, 38.8362, 39.4634

# Sweetspot

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



39.2645, 38.8378, 55.8797



83.4267, 86.1471, 102.5913



42.9556, 47.7816, 57.4114



17.6855, 18.2117, 21.9684



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



39.2645, 38.8378, 55.8797



66.3966, 64.6163, 99.3330



42.5102, 40.5111, 56.0316



9.6866, 9.8296, 12.6716



6.8726, 2.8034, 33.7355



0.3481, 0.1475, 1.4600



# Inverse Universe

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



44.3462, 41.5209, 53.2557



77.2493, 70.3486, 93.6273



43.1534, 49.7816, 42.4582



10.4204, 10.2168, 12.3041



18.8584, 9.2331, 22.9641



0.8349, 0.4070, 1.0981



# Previews

## White Background



This preview shows how the XYZ color 39.2633, 38.8362, 55.8788 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

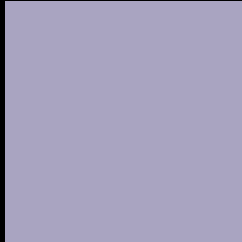
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 39.2633, 38.8362, 55.8788 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

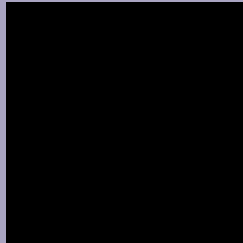
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 39.2633, 38.8362, 55.8788**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.2633, 38.8362, 55.8788.



This preview shows how white text looks on a background with the XYZ color 39.2633, 38.8362,



# 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

39.2633, 38.8362, 55.8788

### Protanopia

38.2741, 38.8489, 56.5203

### Deuteranopia

39.5174, 38.7026, 55.8396



## Tritanopia

37.7093, 38.7426, 48.1384

# Trichromacy



## Original Color

39.2633, 38.8362, 55.8788

## Protanomaly

38.7098, 38.8046, 56.4888

## Deuteranomaly

39.3004, 38.5907, 55.8295

## Tritanomaly

38.2553, 38.6958, 50.8002

# Monochromacy



## Original Color

39.2633, 38.8362, 55.8788

## Achromatopsia

37.7116, 39.6755, 43.2066

## Achromatomaly

38.2168, 39.2868, 47.6883

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.2633, 38.8362, 55.8788 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(169, 164, 193)` looks like.

```
.text, #text, p{  
    color:rgb(169, 164, 193)  
}
```

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(169, 164, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 164, 193) }
```

## Border

The CSS property to change the border of an element to XYZ 39.2633, 38.8362, 55.8788 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(169, 164, 193) }
```



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

```
.border{ border-color:rgb(169, 164, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 164, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 164, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 164, 193);  
box-shadow:4px 4px 4px 4px rgb(169, 164,  
193) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.2633, 38.8362, 55.8788 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 164, 193) }
```

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

```
.background{ background-color: rgb(169,  
164, 193) }
```

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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