

# Converting Colors

XYZ(39.8678, 38.8177, 58.8174)

Have a look what the booklet for  
XYZ(39.8678, 38.8177, 58.8174)  
contains.

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# Color

**XYZ(39.8678, 38.8177,  
58.8174)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AAA3C6
RGB	170, 163, 198
RGB Percent	67%, 64%, 78%
CMY	0.3333, 0.3608, 0.2235
CMYK	0.14, 0.18, 0.00, 0.22
HSL	252°, 23%, 71%
HSV	252°, 18%, 78%
XYZ	39.8678, 38.8177, 58.8174
YIQ	169.0830, -7.0630, 12.3690

# Conversions

## Conversions Part 2

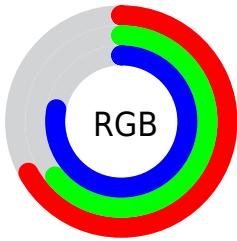
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	170, 163, 198
Decimal	11183046
CIE <sub>Lab</sub>	68.62, 9.54, -16.99
CIE <sub>LCh</sub>	69, 19.486, 299.326
Yxy	38.8177, 0.2899, 0.2823
Android (android.graphics.Color)	4289373126 (0xFFAAA3C6)
YUV	169.0830, 14.2561, 0.8042
Hunter-Lab	62.3039, 5.1892, -12.3595

# Details

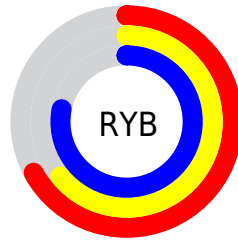
The XYZ color **39.8678, 38.8177, 58.8174** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **48.2922, 54.1099, 42.5512**, and the grayscale version is **37.6883, 39.6511, 43.1800**.

A 20% lighter version of the original color is **74.1727, 73.3704, 104.8603**, and **18.1897, 17.2340, 28.7534** is the 20% darker color. If you saturate the color by 10%, you get **33.4033, 30.6693, 57.5859**, and if you desaturate by 10%, it is **47.2978, 48.2829, 60.2534**.

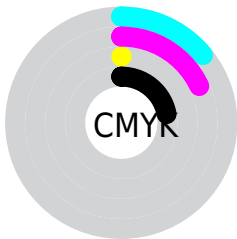
# Distribution



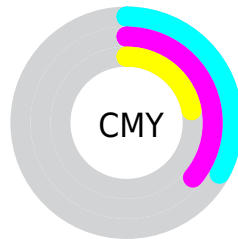
- Red (67%)
- Green (64%)
- Blue (78%)



- Red (67%)
- Yellow (64%)
- Blue (78%)



- Cyan (14%)
- Magenta (18%)
- Yellow (0%)
- Black (22%)



- Cyan (33%)
- Magenta (36%)
- Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.8678, 38.8177, 58.8174 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 39.8678, 38.8177, 58.8174 by changing the saturation by 10% instead.



■ 39.8678, 38.8177,  
58.8174

■ 39.8678, 38.8177,  
58.8174

336.7100,  
341.1148, 437.9079

■ 27.6192, 26.6179,  
42.0471

■ 74.2478, 73.3597,  
104.6387

■ 18.1778, 17.2865,  
28.8123

■ 97.1099, 96.4708,  
134.5269

■ 11.1782, 10.4390,  
18.6945

124.2406,  
123.9878, 169.6247

■ 6.2550, 5.6910,  
11.2752

156.0052,  
156.2950, 210.3507

■ 3.0429, 2.6581,  
6.1358

192.7691,  
193.7770, 257.1235

■ 1.1765, 0.9560,  
2.8577

234.8977,

■ 0.0877, 0.0000,

236.8180, 310.3616

1.0224

282.7562,  
285.8025, 370.4836

■ 0.0000, 0.0000,  
0.0000

■ 39.8678, 38.8177,  
58.8174

■ 39.8678, 38.8177,  
58.8174

■ 33.4033, 30.6693,  
57.5859

■ 47.2978, 48.2829,  
60.2534

■ 27.8605, 23.7742,  
56.5472

■ 55.7274, 59.1149,  
61.8999

■ 23.1976, 18.0709,  
55.6921

■ 65.1935, 71.3671,  
63.7659

■ 19.3682, 13.4908,  
55.0099

■ 75.7300, 85.0886,  
65.8591

■ 16.3211, 9.9583,  
54.4886

■ 85.0939, 95.7751,  
67.4282

■ 13.9996, 7.3879,  
54.1149

■ 87.1932, 96.8573,  
67.5265

■ 12.3386, 5.6806,  
53.8729

■ 11.2509, 4.6967,  
53.7403

■ 11.0524, 4.5202,  
53.7167

# Harmonies

## Analogous

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



36.8255, 38.8177, 61.5629



39.8678, 38.8177, 58.8174



42.2184, 38.8177, 51.5078

# Triad

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



39.8678, 38.8177, 58.8174



39.9948, 38.8177, 29.3090



31.2923, 38.8177, 42.0670

# Complementary

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



39.8678, 38.8177, 58.8174



48.2922, 54.1099, 42.5512

# 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.



32.0391, 38.8177, 34.2014



39.8678, 38.8177, 58.8174



36.9647, 38.8177, 27.4923

# Square

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



39.8678, 38.8177, 58.8174



42.2946, 38.8177, 34.5019



34.0739, 38.8177, 29.1532



31.9758, 38.8177, 51.1151



# Rectangle

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



39.8678, 38.8177, 58.8174



43.0166, 38.8177, 45.4810



34.0739, 38.8177, 29.1532



31.3837, 38.8177, 39.2060

# Sweetspot

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



39.8690, 38.8193, 58.8183



87.4628, 90.2496, 107.4179



44.0569, 49.3815, 60.6362



18.5004, 19.0347, 22.9489



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.



39.8690, 38.8193, 58.8183



66.2385, 63.2239, 103.3200



43.7647, 40.8276, 59.0006



10.2515, 10.3879, 13.3822



7.2443, 2.9688, 34.9356



0.4032, 0.1716, 1.6570



# Inverse Universe

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



45.7912, 41.9635, 54.9785



78.6053, 69.7929, 95.1495



44.2804, 52.0417, 42.3635



10.9887, 10.7789, 12.9238



19.2128, 9.4347, 22.1280

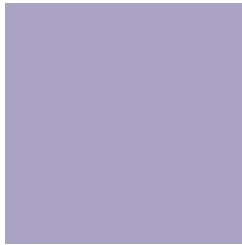


0.9335, 0.4562, 1.1730



# Previews

## White Background



This preview shows how the XYZ color 39.8678, 38.8177, 58.8174 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

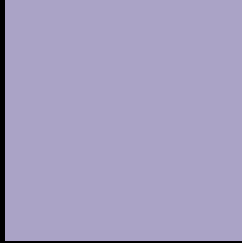
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 39.8678, 38.8177, 58.8174 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

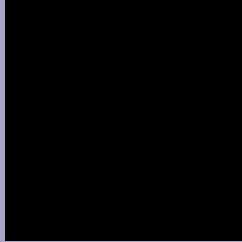
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 39.8678, 38.8177, 58.8174**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.8678, 38.8177, 58.8174.



This preview shows how white text looks on a background with the XYZ color 39.8678, 38.8177,



# 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

39.8678, 38.8177, 58.8174

### Protanopia

38.5587, 38.9162, 60.1229

### Deuteranopia

39.6524, 38.7066, 58.8073



## Tritanopia

37.7093, 38.7426, 48.1384

# Trichromacy



## Original Color

39.8678, 38.8177, 58.8174

## Protanomaly

39.0738, 38.9263, 59.4869

## Deuteranomaly

39.6524, 38.7066, 58.8073

## Tritanomaly

38.4665, 38.7803, 51.9123

# Monochromacy



## Original Color

39.8678, 38.8177, 58.8174

## Achromatopsia

37.7116, 39.6755, 43.2066

## Achromatomaly

38.4191, 39.3677, 48.7538

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.8678, 38.8177, 58.8174 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(170, 163, 198)` looks like.

```
.text, #text, p{  
    color:rgb(170, 163, 198)  
}
```

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(170, 163, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 163, 198) }
```

## Border

The CSS property to change the border of an element to XYZ 39.8678, 38.8177, 58.8174 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(170, 163, 198) }
```



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

```
.border{ border-color:rgb(170, 163, 198) }
```

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

Here you see how a box with a 4 pixel rgb(170, 163, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 163, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 163, 198);  
box-shadow:4px 4px 4px 4px rgb(170, 163,  
198) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.8678, 38.8177, 58.8174 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 163, 198) }
```

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

```
.background{ background-color: rgb(170,  
163, 198) }
```

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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