

# Converting Colors

XYZ(38.8849, 37.0080, 59.1212)

Have a look what the booklet for  
XYZ(38.8849, 37.0080, 59.1212)  
contains.

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# Color

**XYZ(38.8978, 37.0123,  
59.1268)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A99EC7
RGB	169, 158, 199
RGB Percent	66%, 62%, 78%
CMY	0.3372, 0.3804, 0.2196
CMYK	0.15, 0.21, 0.00, 0.22
HSL	256°, 27%, 70%
HSV	256°, 21%, 78%
XYZ	38.8978, 37.0123, 59.1268
YIQ	165.9630, -6.6050, 15.0830

# Conversions

## Conversions Part 2

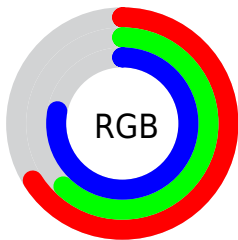
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	169, 158, 199
Decimal	11116231
CIE <sub>Lab</sub>	67.29, 12.23, -19.57
CIE <sub>LCh</sub>	67, 23.078, 301.996
Yxy	37.0123, 0.2881, 0.2741
Android (android.graphics.Color)	4289306311 (0xFFA99EC7)
YUV	165.9630, 16.2872, 2.6634
Hunter-Lab	60.8377, 7.6614, -15.0362

# Details

The XYZ color **38.8978, 37.0123, 59.1268** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **47.3355, 54.0079, 40.2793**, and the grayscale version is **36.1547, 38.0376, 41.4229**.

A 20% lighter version of the original color is **72.8956, 70.8161, 104.4346**, and **17.5710, 16.2727, 29.0029** is the 20% darker color. If you saturate the color by 10%, you get **32.8226, 29.2436, 57.9481**, and if you desaturate by 10%, it is **45.8730, 46.0627, 60.5067**.

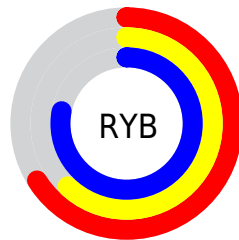
# Distribution



Red (66%)

Green (62%)

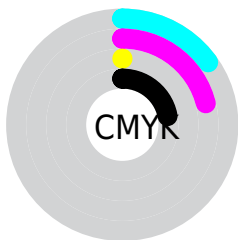
Blue (78%)



Red (66%)

Yellow (62%)

Blue (78%)

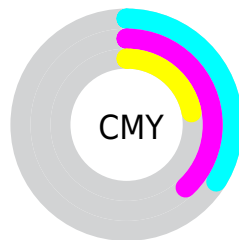


Cyan (15%)

Magenta (21%)

Yellow (0%)

Black (22%)



Cyan (34%)

Magenta (38%)

Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 38.8978, 37.0123, 59.1268 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 38.8978, 37.0123, 59.1268 by changing the saturation by 10% instead.



■ 38.8978, 37.0123,  
59.1268

■ 38.8978, 37.0123,  
59.1268

332.6704,  
333.3638, 439.0866

■ 26.8606, 25.2170,  
42.2945

■ 72.7772, 70.5917,  
105.0929

■ 17.6046, 16.2388,  
29.0047

■ 95.3502, 93.1446,  
135.0637

■ 10.7645, 9.6933,  
18.8388

122.1658,  
120.0522, 170.2512

■ 5.9748, 5.1961,  
11.3782

153.5893,  
151.6988, 211.0738

■ 2.8703, 2.3628,  
6.2045

189.9862,  
188.4689, 257.9501

■ 1.0855, 0.8066,  
2.8990

231.7218,

■ 0.0130, 0.0000,

230.7468, 311.2987

1.0433

279.1614,  
278.9170, 371.5380

■ 0.0000, 0.0000,  
0.0000

■ 38.8978, 37.0123,  
59.1268

■ 38.8978, 37.0123,  
59.1268

■ 32.8226, 29.2436,  
57.9481

■ 45.8730, 46.0627,  
60.5067

■ 27.6060, 22.6933,  
56.9587

■ 53.7800, 56.4451,  
62.0939

■ 23.2087, 17.2997,  
56.1494

■ 62.6536, 68.2125,  
63.8976

■ 19.5867, 12.9934,  
55.5091

■ 72.5256, 81.4140,  
65.9254

■ 16.6916, 9.6979,  
55.0256

■ 82.6220, 94.4874,  
67.9167

■ 14.4691, 7.3260,  
54.6849

■ 87.3089, 96.9036,  
68.1360

■ 12.8562, 5.7750,  
54.4705

■ 11.7973, 4.8908,  
54.3557

# Harmonies

## Analogous

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



35.4159, 37.0123, 63.0047



38.8978, 37.0123, 59.1268



41.5157, 37.0123, 50.1290

# Triad

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



38.8978, 37.0123, 59.1268



38.4618, 37.0123, 25.4638



28.8249, 37.0123, 40.9807

# Complementary

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



38.8978, 37.0123, 59.1268



47.3355, 54.0079, 40.2793

# 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.



29.5225, 37.0123, 31.8480



38.8978, 37.0123, 59.1268



34.9433, 37.0123, 23.8334

# Square

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



38.8978, 37.0123, 59.1268



41.2523, 37.0123, 30.8565



31.7053, 37.0123, 25.9655



29.7332, 37.0123, 51.4972



# Rectangle

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



38.8978, 37.0123, 59.1268



42.3343, 37.0123, 43.0666



31.7053, 37.0123, 25.9655



28.8792, 37.0123, 37.6547

# Sweetspot

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



38.8990, 37.0138, 59.1276



86.3622, 88.5618, 107.1501



42.4081, 47.3888, 60.9452



18.2906, 18.7008, 22.8955



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.



38.8990, 37.0138, 59.1276



62.8466, 58.0516, 102.5004



43.6308, 39.4532, 59.3491



10.3192, 10.4228, 13.3854



7.6580, 3.1821, 34.9549



0.4337, 0.1873, 1.6584



# Inverse Universe

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



44.8585, 40.2283, 52.9795



75.3432, 64.7979, 89.3474



42.6526, 51.5938, 40.0601



10.9570, 10.7662, 12.7567



18.5004, 9.1497, 18.3768



0.9050, 0.4448, 1.0227



# Previews

## White Background



This preview shows how the XYZ color 38.8978, 37.0123, 59.1268 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

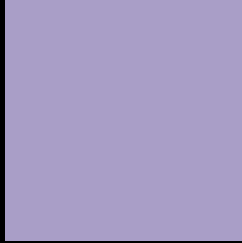
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 38.8978, 37.0123, 59.1268 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 38.8978, 37.0123, 59.1268**

## **Background**



This preview shows how black text looks on a background with the XYZ color 38.8978, 37.0123, 59.1268.



This preview shows how white text looks on a background with the XYZ color 38.8978, 37.0123,



# 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

38.8978, 37.0123, 59.1268

### Protanopia

37.0986, 37.0735, 61.0777

### Deuteranopia

37.7799, 36.9465, 59.1730



## Tritanopia

36.1752, 36.9351, 45.7800

# Trichromacy



## Original Color

38.8978, 37.0123, 59.1268

## Protanomaly

37.7847, 37.1804, 60.4434

## Deuteranomaly

38.2240, 36.9191, 59.1443

## Tritanomaly

37.1225, 37.0574, 50.5436

# Monochromacy



## Original Color

38.8978, 37.0123, 59.1268

## Achromatopsia

36.2450, 38.1326, 41.5264

## Achromatomaly

37.0694, 37.6242, 47.4279

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 38.8978, 37.0123, 59.1268 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, 158, 199)` looks like.

```
.text, #text, p{  
    color:rgb(169, 158, 199)  
}
```

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, 158, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 158, 199) }
```

## Border

The CSS property to change the border of an element to XYZ 38.8978, 37.0123, 59.1268 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, 158, 199) }
```



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

```
.border{ border-color:rgb(169, 158, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 158, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 158, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 158, 199);  
box-shadow:4px 4px 4px 4px rgb(169, 158,  
199) }
```

# Background

The CSS property to change the background color of an element to XYZ 38.8978, 37.0123, 59.1268 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 158, 199) }
```

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

```
.background{ background-color: rgb(169,  
158, 199) }
```

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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