

# Converting Colors

XYZ(38.1586, 38.1355, 49.0929)

Have a look what the booklet for  
XYZ(38.1586, 38.1355, 49.0929)  
contains.

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# Color

**XYZ(38.2323, 38.1885,  
49.0721)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ABA3B5
RGB	171, 163, 181
RGB Percent	67%, 64%, 71%
CMY	0.3294, 0.3608, 0.2902
CMYK	0.06, 0.10, 0.00, 0.29
HSL	267°, 11%, 67%
HSV	267°, 10%, 71%
XYZ	38.2323, 38.1885, 49.0721
YIQ	167.4440, -1.0100, 7.2940

# Conversions

## Conversions Part 2

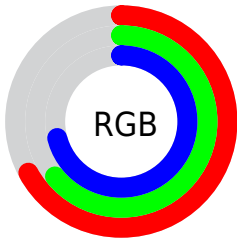
<b>Format</b>	<b>Color</b>
<b>RYB</b>	171, 163, 181
Decimal	11248565
CIELab	68.16, 6.34, -8.24
CIELCh	68, 10.392, 307.565
Yxy	38.1885, 0.3047, 0.3043
Android (android.graphics.Color)	4289438645 (0xFFABA3B5)
YUV	167.4440, 6.6831, 3.1186
Hunter-Lab	61.7968, 2.2894, -3.8237

# Details

The XYZ color **38.2323, 38.1885, 49.0721** is a light color, and the websafe version is hex **999999**. A complement of this color would be **40.3696, 44.5773, 41.1287**, and the grayscale version is **36.9169, 38.8394, 42.2961**.

A 20% lighter version of the original color is **71.7215, 72.4260, 90.3202**, and **17.1885, 16.8493, 22.7684** is the 20% darker color. If you saturate the color by 10%, you get **33.1382, 31.1290, 47.9786**, and if you desaturate by 10%, it is **43.9554, 46.2571, 50.3284**.

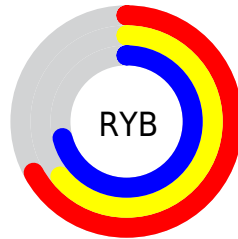
# Distribution



Red (67%)

Green (64%)

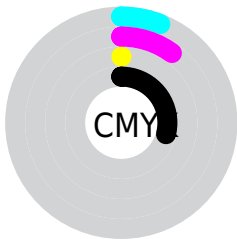
Blue (71%)



Red (67%)

Yellow (64%)

Blue (71%)

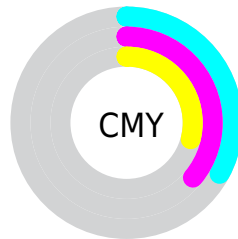


Cyan (6%)

Magenta (10%)

Yellow (0%)

Black (29%)



Cyan (33%)

Magenta (36%)

Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 38.2323, 38.1885, 49.0721 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 38.2323, 38.1885, 49.0721 by changing the saturation by 10% instead.



■ 38.2323, 38.1885,  
49.0721

■ 38.2323, 38.1885,  
49.0721

329.8791,  
338.4279, 399.6567

■ 26.3411, 26.1290,  
34.3107

■ 71.7657, 72.3970,  
90.1806

■ 17.2130, 16.9202,  
22.8531

■ 94.1385, 95.3147,  
117.3648

■ 10.4827, 10.1776,  
14.2808

120.7359,  
122.6207, 149.5270

■ 5.7849, 5.5169,  
8.1752

151.9233,  
154.6994, 187.0857

■ 2.7541, 2.5536,  
4.1179

188.0659,  
191.9350, 230.4595

■ 1.0251, 0.9034,  
1.6902

229.5292,

■ 0.0000, 0.0000,

234.7120, 280.0669

0.3540

276.6784,  
283.4149, 336.3265

■ 0.0000, 0.0000,  
0.0000

■ 38.2323, 38.1885,  
49.0721

■ 38.2323, 38.1885,  
49.0721

■ 33.1382, 31.1290,  
47.9786

■ 43.9554, 46.2571,  
50.3284

■ 28.6464, 25.0330,  
47.0386

■ 50.3258, 55.3684,  
51.7513

■ 24.7336, 19.8584,  
46.2461

■ 57.3655, 65.5602,  
53.3475

■ 21.3731, 15.5581,  
45.5932

■ 65.0942, 76.8673,  
55.1227

■ 18.5364, 12.0810,  
45.0715

■ 73.5309, 89.3226,  
57.0821

16.1917, 9.3699,  
44.6718

77.1659, 91.9020,  
57.3884

14.3034, 7.3604,  
44.3834

80.5123, 93.6271,  
57.5450

12.8302, 5.9767,  
44.1940

84.0483, 95.4500,  
57.7105

11.6917, 5.0654,  
44.0781

85.3406, 96.1162,  
57.7710

# Harmonies

## Analogous

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



36.7093, 38.1885, 51.0807



38.2323, 38.1885, 49.0721



39.2575, 38.1885, 45.0843

# Triad

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



38.2323, 38.1885, 49.0721



37.5006, 38.1885, 33.8575



33.2916, 38.1885, 42.7681

# Complementary

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



38.2323, 38.1885, 49.0721



40.3696, 44.5773, 41.1287

# 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.



33.4893, 38.1885, 38.2636



38.2323, 38.1885, 49.0721



35.8879, 38.1885, 33.3384

# Square

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



38.2323, 38.1885, 49.0721



38.8263, 38.1885, 36.3684



34.4282, 38.1885, 34.8935



33.8800, 38.1885, 47.2689



# Rectangle

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



38.2323, 38.1885, 49.0721



39.5038, 38.1885, 41.9615



34.4282, 38.1885, 34.8935



33.2687, 38.1885, 41.2024

# Sweetspot

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



38.2334, 38.1901, 49.0729



75.4156, 78.1585, 89.4059



38.4280, 41.0880, 49.6220



16.1200, 16.6385, 19.2842



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787



# Same Dimension

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



38.2334, 38.1901, 49.0729



66.3179, 65.3873, 87.4203



40.2146, 39.2115, 49.1657



8.3885, 8.4088, 10.6873



8.1331, 3.5285, 30.3894



0.3234, 0.1458, 0.9593



# Inverse Universe

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



39.6973, 39.0369, 44.9795



69.5052, 67.2315, 78.4839



38.4872, 43.6069, 41.0406



8.6874, 8.5817, 9.8521



14.7769, 7.4283, 9.2511



0.4938, 0.2452, 0.4428



# Previews

## White Background



This preview shows how the XYZ color 38.2323, 38.1885, 49.0721 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

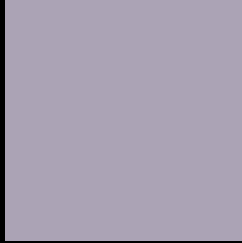
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 38.2323, 38.1885, 49.0721 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

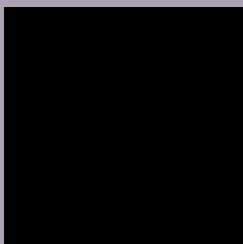
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

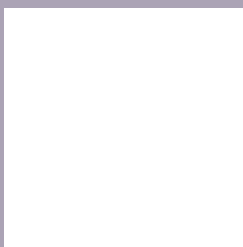
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 38.2323, 38.1885, 49.0721**

## **Background**



This preview shows how black text looks on a background with the XYZ color 38.2323, 38.1885, 49.0721.



This preview shows how white text looks on a background with the XYZ color 38.2323, 38.1885,



# 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

38.2323, 38.1885, 49.0721

### Protanopia

37.2085, 38.1802, 49.6644

### Deuteranopia

38.9400, 38.2908, 49.0546



## Tritanopia

37.7888, 38.2713, 46.9904

# Trichromacy



## Original Color

38.2323, 38.1885, 49.0721

## Protanomaly

37.6553, 38.1438, 49.6338

## Deuteranomaly

38.7164, 38.1755, 49.0441

## Tritanomaly

37.8889, 38.3113, 47.5173

# Monochromacy



## Original Color

38.2323, 38.1885, 49.0721

## Achromatopsia

36.7301, 38.6429, 42.0822

## Achromatomaly

37.2311, 38.5758, 44.5133

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 38.2323, 38.1885, 49.0721 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(171, 163, 181)` looks like.

```
.text, #text, p{  
    color:rgb(171, 163, 181)  
}
```

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(171, 163, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 163, 181) }
```

## Border

The CSS property to change the border of an element to XYZ 38.2323, 38.1885, 49.0721 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(171, 163, 181) }
```



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

```
.border{ border-color:rgb(171, 163, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 163, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 163, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 163, 181);  
box-shadow:4px 4px 4px 4px rgb(171, 163,  
181) }
```

# Background

The CSS property to change the background color of an element to XYZ 38.2323, 38.1885, 49.0721 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 163, 181) }
```

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

```
.background{ background-color: rgb(171,  
163, 181) }
```

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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