

# Converting Colors

XYZ(39.3337, 49.6982, 7.5196)

Have a look what the booklet for  
XYZ(39.3337, 49.6982, 7.5196)  
contains.

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# Color

**XYZ(39.2684, 49.5471,  
7.4939)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B7C400
RGB	183, 196, 0
RGB Percent	72%, 77%, 0%
CMY	0.2824, 0.2314, 0.9999
CMYK	0.07, 0.00, 1.00, 0.23
HSL	64°, 100%, 38%
HSV	64°, 100%, 77%
XYZ	39.2684, 49.5471, 7.4939
YIQ	169.7690, 55.1680, -63.7120

# Conversions

## Conversions Part 2

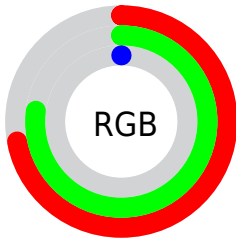
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 196, 13
Decimal	12043264
CIELab	75.79, -23.25, 76.30
CIELCh	76, 79.762, 106.949
Yxy	49.5471, 0.4077, 0.5145
Android (android.graphics.Color)	4290233344 (0xFFB7C400)
YUV	169.7690, -83.6961, 11.6036
Hunter-Lab	70.3897, -23.6019, 42.9606

# Details

The XYZ color **39.2684, 49.5471, 7.4939** is a dark color, and the websafe version is hex **CCCC00**. The color can be described as dark washed chartreuse. A complement of this color would be **10.1310, 4.0720, 52.4796**, and the grayscale version is **38.4803, 40.4843, 44.0874**.

A 20% lighter version of the original color is **73.2955, 89.2847, 21.3532**, and **18.1304, 23.7060, 3.6201** is the 20% darker color. If you saturate the color by 10%, you get **39.2690, 49.5492, 7.4942**, and if you desaturate by 10%, it is **39.7032, 49.7588, 8.1562**.

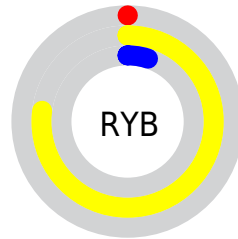
# Distribution



Red (72%)

Green (77%)

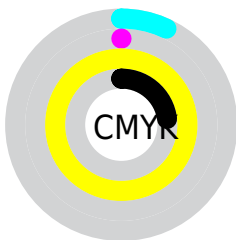
Blue (0%)



Red (0%)

Yellow (77%)

Blue (5%)

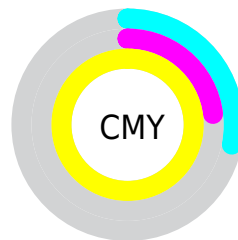


Cyan (7%)

Magenta (0%)

Yellow (100%)

Black (23%)



Cyan (28%)

Magenta (23%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.2684, 49.5471, 7.4939 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 39.2684, 49.5471, 7.4939 by changing the saturation by 10% instead.



39.2684, 49.5471,  
7.4939

39.2684, 49.5471,  
7.4939

334.2178,  
384.8922, 181.4905

27.1503, 35.0537,  
3.6898

73.3396, 89.5035,  
21.4897

17.8233, 23.7042,  
1.4567

96.0234, 115.7352,  
32.5184

10.9221, 15.1144,  
0.1854

122.9597,  
146.6485, 46.7924

6.0814, 8.8997,  
0.0000

154.5141,  
182.6278, 64.7302

2.9358, 4.6758,  
0.0000

191.0517,  
224.0574, 86.7504

1.1199, 2.0583,  
0.0000

232.9379,

0.0417, 0.6410,

271.3217, 113.2715

0.0000

280.5382,  
324.8052, 144.7120

■ 0.0000, 0.0000,  
0.0000

■ 39.2684, 49.5471,  
7.4939

■ 39.2684, 49.5471,  
7.4939

■ 39.2690, 49.5492,  
7.4942

■ 39.7032, 49.7588,  
8.1562

■ 40.2639, 50.0193,  
9.4715

■ 40.9954, 50.3485,  
11.6714

■ 41.9204, 50.7554,  
14.8752

■ 43.0581, 51.2477,  
19.1839

■ 44.4254, 51.8322,  
24.6863

■ 46.0374, 52.5149,  
31.4621

■ 47.9078, 53.3013,  
39.5840

■ 50.0496, 54.1966,  
49.1194

# Harmonies

## Analogous

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



53.8218, 49.5471, 7.1153



39.2684, 49.5471, 7.4939



29.1957, 49.5471, 15.2261

# Triad

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



39.2684, 49.5471, 7.4939



30.2032, 49.5471, 138.2026



80.6447, 49.5471, 74.5438

# Complementary

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



39.2684, 49.5471, 7.4939



10.1310, 4.0720, 52.4796

# 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.



71.1226, 49.5471, 130.9861



39.2684, 49.5471, 7.4939



40.9498, 49.5471, 178.8097

# Square

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



39.2684, 49.5471, 7.4939



24.7647, 49.5471, 81.3926



55.8936, 49.5471, 175.6361



79.9291, 49.5471, 33.4918



# Rectangle

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



39.2684, 49.5471, 7.4939



25.4464, 49.5471, 27.8982



55.8936, 49.5471, 175.6361



78.4627, 49.5471, 92.6037

# Sweetspot

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



39.2695, 49.5494, 7.4949



83.2431, 95.0643, 56.3450



22.8730, 11.9497, 1.1016



17.5399, 20.2303, 10.8835



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.



39.2695, 49.5494, 7.4949



71.0461, 89.7107, 13.5714



23.7861, 41.5674, 6.7703



10.8453, 11.7232, 10.7531



25.2595, 31.8506, 4.8165



1.1116, 1.3866, 0.2091



# Inverse Universe

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



10.1310, 4.0720, 52.4796



18.2798, 7.3385, 95.0608



16.1262, 7.1627, 52.7601



9.5888, 9.7792, 12.6670



6.5358, 2.6297, 33.7197



0.3042, 0.1248, 1.4579



# Previews

## White Background



This preview shows how the XYZ color 39.2684, 49.5471, 7.4939 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 39.2684, 49.5471, 7.4939 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 39.2684, 49.5471, 7.4939**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.2684, 49.5471, 7.4939.



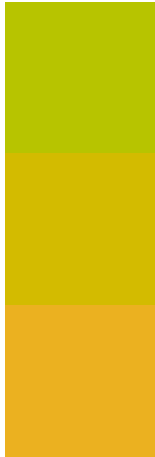
This preview shows how white text looks on a background with the XYZ color 39.2684, 49.5471,



# 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

39.2684, 49.5471, 7.4939

### Protanopia

44.6343, 49.3895, 7.1807

### Deuteranopia

50.2438, 49.2107, 8.2170



## Tritanopia

49.7177, 49.3117, 59.1223

# Trichromacy



## Original Color

39.2684, 49.5471, 7.4939

## Protanomaly

42.5008, 49.2444, 7.2651

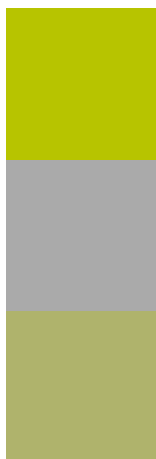
## Deuteranomaly

45.5857, 48.9304, 7.7037

## Tritanomaly

43.2102, 48.2278, 26.4335

# Monochromacy



## Original Color

39.2684, 49.5471, 7.4939

## Achromatopsia

38.2080, 40.1978, 43.7754

## Achromatomaly

36.5061, 42.4369, 20.4544

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.2684, 49.5471, 7.4939 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(183, 196, 0)` looks like.

```
.text, #text, p{  
    color:rgb(183, 196, 0)  
}
```

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(183, 196, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 196, 0) }
```

## Border

The CSS property to change the border of an element to XYZ 39.2684, 49.5471, 7.4939 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(183, 196, 0) }
```



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

```
.border{ border-color:rgb(183, 196, 0) }
```

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

Here you see how a box with a 4 pixel rgb(183, 196, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 196, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 196, 0);  
box-shadow:4px 4px 4px 4px rgb(183, 196,  
0) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.2684, 49.5471, 7.4939 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 196, 0) }
```

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

```
.background{ background-color: rgb(183,  
196, 0) }
```

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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