

# Converting Colors

XYZ(39.3589, 38.1820, 5.3530)

Have a look what the booklet for  
XYZ(39.3589, 38.1820, 5.3530)  
contains.

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# Color

**XYZ(39.2193, 38.1154,  
5.3474)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D49D02
RGB	212, 157, 2
RGB Percent	83%, 62%, 1%
CMY	0.1686, 0.3843, 0.9921
CMYK	0.00, 0.26, 0.99, 0.17
HSL	44°, 98%, 42%
HSV	44°, 99%, 83%
XYZ	39.2193, 38.1154, 5.3474
YIQ	155.7750, 82.5350, -36.5450

# Conversions

## Conversions Part 2

Format	Color
<a href="#">RYB</a>	<a href="#">77, 212, 2</a>
Decimal	<a href="#">13933826</a>
CIELab	<a href="#">68.11, 9.72, 71.77</a>
CIElCh	<a href="#">68, 72.423, 82.290</a>
Yxy	<a href="#">38.1154, 0.4743, 0.4610</a>
Android (android.graphics.Color)	<a href="#">4292123906</a> ( <a href="#">0xFFD49D02</a> )
YUV	<a href="#">155.7750, -75.8111, 49.3093</a>
Hunter-Lab	<a href="#">61.7377, 5.3525, 38.0810</a>

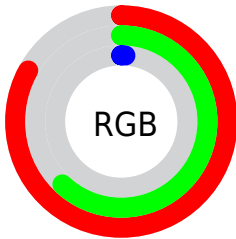
# Details

The XYZ color **39.2193, 38.1154, 5.3474** is a dark color, and the websafe version is hex **CC9900**.

The color can be described as dark washed orange. A complement of this color would be **13.3723, 7.6935, 63.0670**, and the grayscale version is **31.8028, 33.4591, 36.4369**.

A 20% lighter version of the original color is **65.8388, 68.3703, 16.5642**, and **18.1029, 16.9835, 2.3240** is the 20% darker color. If you saturate the color by 10%, you get **39.1200, 37.9347, 5.2603**, and if you desaturate by 10%, it is **40.3268, 40.0974, 6.4361**.

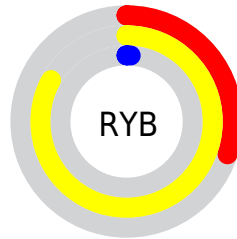
# Distribution



Red (83%)

Green (62%)

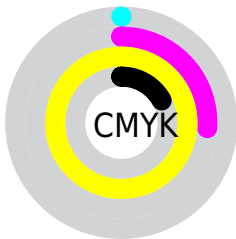
Blue (1%)



Red (30%)

Yellow (83%)

Blue (1%)

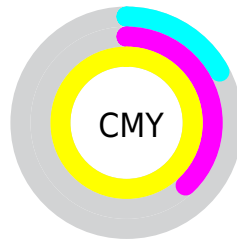


Cyan (0%)

Magenta (26%)

Yellow (99%)

Black (17%)



Cyan (17%)

Magenta (38%)


Yellow (99%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.2193, 38.1154, 5.3474 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 39.2193, 38.1154, 5.3474 by changing the saturation by 10% instead.





 39.2193, 38.1154,  
5.3474


 39.2193, 38.1154,  
5.3474


334.0131,  
338.1147, 162.1952


 27.1119, 26.0723,  
2.3902


 73.2651, 72.2850,  
17.0142


 17.7943, 16.8777,  
0.7811


 95.9343, 95.1802,  
26.5609

 10.9012, 10.1473,  
0.0000


 122.8546,  
122.4616, 39.1412

 6.0672, 5.4968,  
0.0000

 154.3917,  
154.5136, 55.1736

 2.9270, 2.5416,  
0.0000

 190.9107,  
191.7204, 75.0766


 1.1153, 0.8974,  
0.0000


 232.7770,


 0.0379, 0.0000,


234.4667, 99.2689


0.0000


 280.3560,  
283.1366, 128.1689


 0.0000, 0.0000,  
0.0000


 39.2193, 38.1154,  
5.3474


 39.2193, 38.1154,  
5.3474


 39.1200, 37.9347,  
5.2603

 40.3268, 40.0974,  
6.4361

 41.6366, 42.2279,  
8.3803

 43.1941, 44.5275,  
11.4131

 45.0270, 47.0082,  
15.6776

 47.1588, 49.6802,  
21.2953

■ 49.6104, 52.5527,  
28.3728

■ 52.4004, 55.6338,  
37.0062

■ 55.5459, 58.9314,  
47.2833

■ 59.0628, 62.4524,  
59.2853

# Harmonies

## Analogous

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



51.1970, 38.1154, 9.1852



39.2193, 38.1154, 5.3474



28.6007, 38.1154, 6.4584

# Triad

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



39.2193, 38.1154, 5.3474



19.6226, 38.1154, 69.8357



56.2618, 38.1154, 92.3380

# Complementary

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



39.2193, 38.1154, 5.3474



13.3723, 7.6935, 63.0670

# 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.



45.1024, 38.1154, 129.7198



39.2193, 38.1154, 5.3474



24.5037, 38.1154, 112.6900

# Square

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



39.2193, 38.1154, 5.3474



18.6902, 38.1154, 33.7051



33.3919, 38.1154, 138.6481



62.2837, 38.1154, 50.4152



# Rectangle

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



39.2193, 38.1154, 5.3474



23.4939, 38.1154, 10.4040



33.3919, 38.1154, 138.6481



52.8889, 38.1154, 106.5876

# Sweetspot

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



39.2201, 38.1173, 5.3481



79.0246, 83.8912, 54.4108



27.9370, 14.3463, 5.3011



16.5204, 17.5247, 10.4150



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.



39.2201, 38.1173, 5.3481



59.2697, 57.3194, 7.9399



38.6592, 54.8778, 8.6128



13.1848, 13.9439, 13.1572



24.2363, 23.5898, 3.2759



1.5274, 1.5540, 0.2195



# Inverse Universe

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



13.3723, 7.6935, 63.0670



20.0443, 11.2085, 95.7148



13.2713, 5.5013, 62.6491



12.0044, 12.5323, 15.7238



8.2651, 4.7919, 38.9425



0.5663, 0.4245, 2.3714



# Previews

## White Background



This preview shows how the XYZ color 39.2193, 38.1154, 5.3474 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 39.2193, 38.1154, 5.3474 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 39.2193, 38.1154, 5.3474**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.2193, 38.1154, 5.3474.



This preview shows how white text looks on a background with the XYZ color 39.2193, 38.1154,



# 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

39.2193, 38.1154, 5.3474

### Protanopia

34.6241, 38.3553, 5.9263

### Deuteranopia

38.8052, 38.1554, 5.3195



## Tritanopia

45.5781, 38.0522, 36.8409

# Trichromacy



## Original Color

39.2193, 38.1154, 5.3474

## Protanomaly

36.1670, 38.0822, 5.6741

## Deuteranomaly

39.0963, 38.3048, 5.3617

## Tritanomaly

41.5742, 37.3512, 17.3302

# Monochromacy



## Original Color

39.2193, 38.1154, 5.3474

## Achromatopsia

31.5995, 33.2452, 36.2040

## Achromatomaly

32.0932, 33.9271, 16.9137

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.2193, 38.1154, 5.3474 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(212, 157, 2)` looks like.

```
.text, #text, p{  
    color:rgb(212, 157, 2)  
}
```

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(212, 157, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 157, 2) }
```

## Border

The CSS property to change the border of an element to XYZ 39.2193, 38.1154, 5.3474 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(212, 157, 2) }
```



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

```
.border{ border-color:rgb(212, 157, 2) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 157, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 157, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 157, 2);  
box-shadow:4px 4px 4px 4px rgb(212, 157,  
2) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.2193, 38.1154, 5.3474 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 157, 2) }
```

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

```
.background{ background-color: rgb(212,  
157, 2) }
```

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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