

# Converting Colors

XYZ(39.6359, 38.3495, 7.3239)

Have a look what the booklet for  
XYZ(39.6359, 38.3495, 7.3239)  
contains.

<b>XYZ(39.5914, 38.2642, 7.3065)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(39.5914, 38.2642,  
7.3065)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D49D28
RGB	212, 157, 40
RGB Percent	83%, 62%, 16%
CMY	0.1686, 0.3843, 0.8431
CMYK	0.00, 0.26, 0.81, 0.17
HSL	41°, 68%, 49%
HSV	41°, 81%, 83%
XYZ	39.5914, 38.2642, 7.3065
YIQ	160.1070, 70.3370, -24.7270

# Conversions

## Conversions Part 2

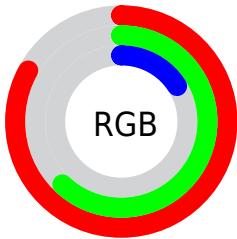
Format	Color
R <sub>Y</sub> B	121, 212, 40
Decimal	13933864
CIE Lab	68.21, 10.42, 63.93
CIE LCh	68, 64.769, 80.743
Yxy	38.2642, 0.4649, 0.4493
Android (android.graphics.Color)	4292123944 (0xFFD49D28)
YUV	160.1070, -59.2128, 45.5102
Hunter-Lab	61.8581, 5.9949, 36.2975

# Details

The XYZ color **39.5914, 38.2642, 7.3065** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle washed orange. A complement of this color would be **16.8509, 13.3887, 63.9832**, and the grayscale version is **33.7060, 35.4613, 38.6173**.

A 20% lighter version of the original color is **66.6456, 68.6931, 20.8128**, and **18.1029, 16.9835, 2.3240** is the 20% darker color. If you saturate the color by 10%, you get **38.2098, 35.9286, 5.5284**, and if you desaturate by 10%, it is **41.2359, 40.8099, 10.1475**.

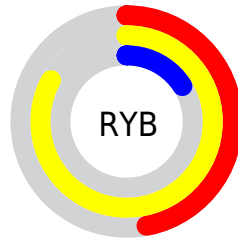
# Distribution



Red (83%)

Green (62%)

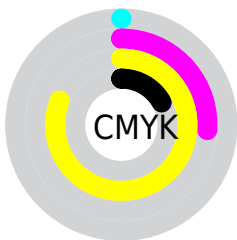
Blue (16%)



Red (47%)

Yellow (83%)

Blue (16%)

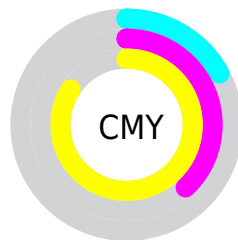


Cyan (0%)

Magenta (26%)

Yellow (81%)

Black (17%)



Cyan (17%)

Magenta (38%)


Yellow (84%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.5914, 38.2642, 7.3065 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 39.5914, 38.2642, 7.3065 by changing the saturation by 10% instead.





 39.5914, 38.2642,  
7.3065


 39.5914, 38.2642,  
7.3065


335.5624,  
338.7520, 179.9132

 27.4029, 26.1878,  
3.5732


 73.8292, 72.5129,  
21.1105


 18.0142, 16.9642,  
1.3942


 96.6092, 95.4540,  
32.0182


 11.0599, 10.2090,  
0.1372


 123.6505,  
122.7855, 46.1545

 6.1747, 5.5377,  
0.0000

 155.3183,  
154.8917, 63.9379

 2.9933, 2.5661,  
0.0000

 191.9780,  
192.1570, 85.7869

 1.1502, 0.9096,  
0.0000

 233.9951,

 0.0665, 0.0000,

234.9659, 112.1201

0.0000

281.7347,  
283.7028, 143.3560

■ 0.0000, 0.0000,  
0.0000

■ 39.5914, 38.2642,  
7.3065

■ 39.5914, 38.2642,  
7.3065

■ 38.2098, 35.9286,  
5.5284

■ 41.2359, 40.8099,  
10.1475

■ 37.1571, 34.0086,  
4.6059

■ 43.1701, 43.5732,  
14.1987

■ 45.4195, 46.5677,  
19.5861

■ 48.0058, 49.8034,  
26.4194

■ 50.9485, 53.2896,  
34.7965

■ 54.2654, 57.0350,  
44.8070

■ 57.9732, 61.0477,  
56.5335

■ 62.0871, 65.3351,  
70.0530

■ 66.6219, 69.9045,  
85.4378

# Harmonies

## Analogous

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



50.1315, 38.2642, 11.6865



39.5914, 38.2642, 7.3065



29.9005, 38.2642, 8.2492

# Triad

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



39.5914, 38.2642, 7.3065



21.0320, 38.2642, 64.6940



53.6217, 38.2642, 87.8406

# Complementary

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



39.5914, 38.2642, 7.3065



16.8509, 13.3887, 63.9832

# 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.



43.7089, 38.2642, 118.5784



39.5914, 38.2642, 7.3065



25.3884, 38.2642, 101.4625

# Square

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



39.5914, 38.2642, 7.3065



20.3398, 38.2642, 33.3225



33.3263, 38.2642, 124.4733



59.1655, 38.2642, 51.2911



# Rectangle

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



39.5914, 38.2642, 7.3065



25.0853, 38.2642, 12.0892



33.3263, 38.2642, 124.4733



50.6120, 38.2642, 99.7896

# Sweetspot

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



39.5923, 38.2661, 7.3072



80.7873, 84.8103, 63.0333



30.0836, 16.3842, 12.9685



16.9032, 17.7143, 12.3187



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.



39.5923, 38.2661, 7.3072



56.7901, 52.2931, 7.3201



43.5343, 57.3482, 10.7827



13.1225, 13.8192, 13.1364



23.0330, 21.1832, 2.8748



1.4625, 1.4241, 0.1978



# Inverse Universe

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



16.8509, 13.3887, 63.9832



21.5328, 14.0434, 96.1835



15.0735, 7.5245, 62.9449



12.0635, 12.6504, 15.7435



8.6850, 5.6317, 39.0824



0.5977, 0.4873, 2.3819



# Previews

## White Background



This preview shows how the XYZ color 39.5914, 38.2642, 7.3065 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 39.5914, 38.2642, 7.3065 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 39.5914, 38.2642, 7.3065**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.5914, 38.2642, 7.3065.



This preview shows how white text looks on a background with the XYZ color 39.5914, 38.2642,



# 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

39.5914, 38.2642, 7.3065

### Protanopia

34.7483, 38.3766, 7.8615

### Deuteranopia

39.1714, 38.3018, 7.2479



## Tritanopia

45.6639, 38.0865, 37.2924

# Trichromacy



## Original Color

39.5914, 38.2642, 7.3065

## Protanomaly

36.2801, 38.0973, 7.6318

## Deuteranomaly

39.4570, 38.4491, 7.2613

## Tritanomaly

42.3198, 37.6494, 21.2562

# Monochromacy



## Original Color

39.5914, 38.2642, 7.3065

## Achromatopsia

33.4132, 35.1533, 38.2819

## Achromatomaly

34.1409, 35.6409, 21.6030

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.5914, 38.2642, 7.3065 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, 40)` looks like.

```
.text, #text, p{  
    color:rgb(212, 157, 40)  
}
```

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, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 157, 40) }
```

## Border

The CSS property to change the border of an element to XYZ 39.5914, 38.2642, 7.3065 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, 40) }
```



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

```
.border{ border-color:rgb(212, 157, 40) }
```

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, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 157, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 157, 40);  
box-shadow:4px 4px 4px 4px rgb(212, 157,  
40) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.5914, 38.2642, 7.3065 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, 40) }
```

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

```
.background{ background-color: rgb(212,  
157, 40) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor