

# Converting Colors

XYZ(38.8645, 46.0097, 3.3272)

Have a look what the booklet for  
XYZ(38.8645, 46.0097, 3.3272)  
contains.

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# Color

**XYZ(39.3413, 46.0354,  
6.8122)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C1B900
RGB	193, 185, 0
RGB Percent	76%, 73%, 0%
CMY	0.2431, 0.2745, 0.9999
CMYK	0.00, 0.04, 1.00, 0.24
HSL	58°, 100%, 38%
HSV	58°, 100%, 76%
XYZ	39.3413, 46.0354, 6.8122
YIQ	166.3020, 64.1530, -55.8390

# Conversions

## Conversions Part 2

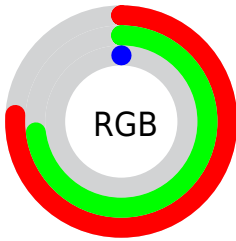
Format	Color
<a href="#">RYB</a>	<a href="#">8, 193, 0</a>
Decimal	<a href="#">12695808</a>
CIELab	<a href="#">73.57, -13.44, 75.03</a>
CIELCh	<a href="#">74, 76.226, 100.159</a>
Yxy	<a href="#">46.0354, 0.4267, 0.4994</a>
Android (android.graphics.Color)	<a href="#">4290885888 (0xFFC1B900)</a>
YUV	<a href="#">166.3020, -81.9869, 23.4141</a>
Hunter-Lab	<a href="#">67.8494, -15.2363, 41.5418</a>

# Details

The XYZ color **39.3413, 46.0354, 6.8122** is a dark color, and the websafe version is hex **CCCC33**. The color can be described as dark washed orange. A complement of this color would be **9.7128, 4.0243, 50.7165**, and the grayscale version is **36.7569, 38.6712, 42.1129**.

A 20% lighter version of the original color is **73.4485, 84.3873, 20.2018**, and **18.2429, 21.6534, 3.2180** is the 20% darker color. If you saturate the color by 10%, you get **39.3421, 46.0372, 6.8125**, and if you desaturate by 10%, it is **39.6303, 46.4211, 7.5019**.

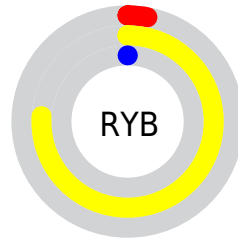
# Distribution



Red (76%)

Green (73%)

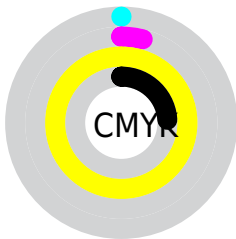
Blue (0%)



Red (3%)

Yellow (76%)

Blue (0%)

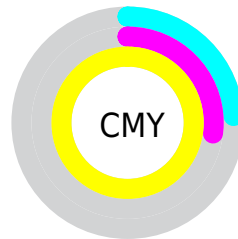


Cyan (0%)

Magenta (4%)

Yellow (100%)

Black (24%)



Cyan (24%)

Magenta (27%)


Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.3413, 46.0354, 6.8122 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 39.3413, 46.0354, 6.8122 by changing the saturation by 10% instead.





 39.3413, 46.0354,  
6.8122


 39.3413, 46.0354,  
6.8122


334.5216,  
370.9510, 175.6653


 27.2073, 32.2738,  
3.2683


 73.4502, 84.2720,  
20.1008


 17.8663, 21.5707,  
1.2332


 96.1557, 109.5157,  
30.6825


 10.9532, 13.5418,  
0.0061


 123.1157,  
139.3556, 44.4473

 6.1024, 7.8027,  
0.0000

 154.6957,  
174.1760, 61.8136

 2.9487, 3.9689,  
0.0000

 191.2609,  
214.3613, 83.2000

 1.1267, 1.6562,  
0.0000

 233.1767,

 0.0473, 0.3951,

260.2960, 109.0251

0.0000

280.8085,  
312.3644, 139.7073

■ 0.0000, 0.0000,  
0.0000

■ 39.3413, 46.0354,  
6.8122

■ 39.3413, 46.0354,  
6.8122

■ 39.3421, 46.0372,  
6.8125

■ 39.6303, 46.4211,  
7.5019

■ 40.0386, 46.8543,  
8.8201

■ 40.6099, 47.3543,  
10.9921

■ 41.3661, 47.9296,  
14.1329

■ 42.3256, 48.5879,  
18.3396

■ 43.5047, 49.3354,  
23.6976

■ 44.9178, 50.1781,  
30.2835

■ 46.5782, 51.1213,  
38.1675

■ 48.4985, 52.1699,  
47.4144

# Harmonies

## Analogous

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



53.1545, 46.0354, 7.7057



39.3413, 46.0354, 6.8122



29.0789, 46.0354, 12.1064

# Triad

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



39.3413, 46.0354, 6.8122



26.7864, 46.0354, 114.8482



72.9419, 46.0354, 79.7738

# Complementary

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



39.3413, 46.0354, 6.8122



9.7128, 4.0243, 50.7165

# 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.



62.6882, 46.0354, 130.9423



39.3413, 46.0354, 6.8122



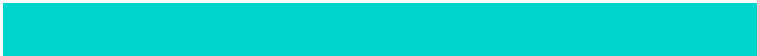
35.5350, 46.0354, 157.3777

# Square

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



39.3413, 46.0354, 6.8122



22.8811, 46.0354, 64.3895



48.4876, 46.0354, 164.4329



74.5453, 46.0354, 38.1396



# Rectangle

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



39.3413, 46.0354, 6.8122



24.9047, 46.0354, 21.5196



48.4876, 46.0354, 164.4329



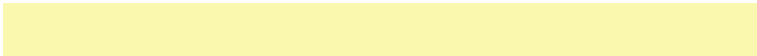
70.3061, 46.0354, 96.8728

# Sweetspot

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



39.3423, 46.0376, 6.8131



80.3174, 89.7938, 53.6202



22.0453, 11.3590, 1.3082



16.9906, 19.1224, 10.3787



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138



# Same Dimension

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



39.3423, 46.0376, 6.8131



70.4157, 82.3600, 12.1858



25.0326, 41.2136, 6.6362



10.8765, 11.6845, 10.7439



26.1823, 30.6504, 4.5362



1.1425, 1.3469, 0.1998



# Inverse Universe

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



9.7128, 4.0243, 50.7165



17.3520, 7.1206, 90.8201



13.5432, 5.8702, 50.8709



9.5610, 9.8134, 12.6751



6.4744, 2.7053, 33.7376



0.2915, 0.1405, 1.4616



# Previews

## White Background



This preview shows how the XYZ color 39.3413, 46.0354, 6.8122 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 39.3413, 46.0354, 6.8122 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

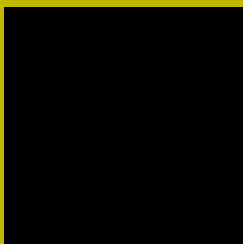
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

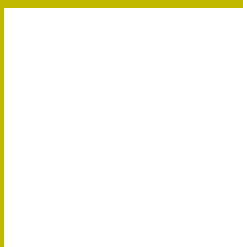
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 39.3413, 46.0354, 6.8122**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.3413, 46.0354, 6.8122.



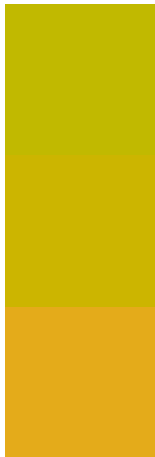
This preview shows how white text looks on a background with the XYZ color 39.3413, 46.0354,



# 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

39.3413, 46.0354, 6.8122

### Protanopia

41.4257, 45.8851, 6.6733

### Deuteranopia

46.7443, 45.6944, 7.3335



## Tritanopia

48.6863, 45.9870, 52.2093

# Trichromacy



## Original Color

39.3413, 46.0354, 6.8122

## Protanomaly

40.5474, 45.7353, 6.6907

## Deuteranomaly

43.6508, 45.5382, 7.0194

## Tritanomaly

43.0795, 45.1698, 23.5876

# Monochromacy



## Original Color

39.3413, 46.0354, 6.8122

## Achromatopsia

36.2450, 38.1326, 41.5264

## Achromatomaly

35.4496, 40.1579, 19.5185

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.3413, 46.0354, 6.8122 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(193, 185, 0)` looks like.

```
.text, #text, p{  
    color:rgb(193, 185, 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(193, 185, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 185, 0) }
```

## Border

The CSS property to change the border of an element to XYZ 39.3413, 46.0354, 6.8122 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(193, 185, 0) }
```



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

```
.border{ border-color:rgb(193, 185, 0) }
```

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

Here you see how a box with a 4 pixel rgb(193, 185, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 185, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 185, 0);  
box-shadow:4px 4px 4px 4px rgb(193, 185,  
0) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.3413, 46.0354, 6.8122 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 185, 0) }
```

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

```
.background{ background-color: rgb(193,  
185, 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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