

# Converting Colors

XYZ(39.5197, 43.6415, 6.3413)

Have a look what the booklet for  
XYZ(39.5197, 43.6415, 6.3413)  
contains.

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# Color

**XYZ(39.5416, 43.7236,  
6.3554)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C8B100
RGB	200, 177, 0
RGB Percent	78%, 69%, 0%
CMY	0.2157, 0.3059, 0.9999
CMYK	0.00, 0.11, 1.00, 0.22
HSL	53°, 100%, 39%
HSV	53°, 100%, 78%
XYZ	39.5416, 43.7236, 6.3554
YIQ	163.6990, 70.5250, -50.1710

# Conversions

## Conversions Part 2

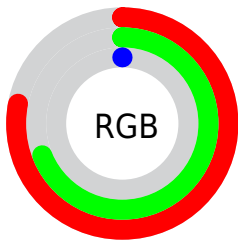
Format	Color
R <sub>Y</sub> B	26, 200, 0
Decimal	13152512
CIE Lab	72.04, -6.24, 74.22
CIE LCh	72, 74.479, 94.806
Yxy	43.7236, 0.4412, 0.4879
Android (android.graphics.Color)	4291342592 (0xFFC8B100)
YUV	163.6990, -80.7036, 31.8360
Hunter-Lab	66.1238, -8.9749, 40.5881

# Details

The XYZ color **39.5416, 43.7236, 6.3554** 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 **10.7321, 4.7835, 55.0010**, and the grayscale version is **35.4933, 37.3418, 40.6652**.

A 20% lighter version of the original color is **71.5079, 79.5377, 18.9806**, and **18.3181, 20.3300, 2.9586** is the 20% darker color. If you saturate the color by 10%, you get **39.5421, 43.7249, 6.3557**, and if you desaturate by 10%, it is **40.1270, 44.6924, 7.1742**.

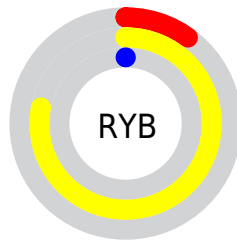
# Distribution



Red (78%)

Green (69%)

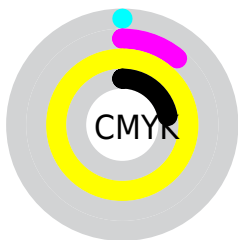
Blue (0%)



Red (10%)

Yellow (78%)

Blue (0%)

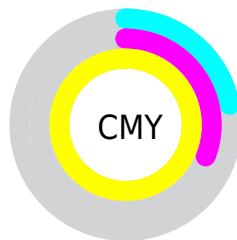


Cyan (0%)

Magenta (11%)

Yellow (100%)

Black (22%)



Cyan (22%)

Magenta (31%)


Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.5416, 43.7236, 6.3554 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 39.5416, 43.7236, 6.3554 by changing the saturation by 10% instead.





 39.5416, 43.7236,  
6.3554


 39.5416, 43.7236,  
6.3554


335.3553,  
361.5792, 171.6171


 27.3639, 30.4533,  
2.9901


 73.7538, 80.8017,  
19.1545

 17.9847, 20.1829,  
1.0896


 96.5190, 105.3782,  
29.4253


 11.0387, 12.5281,  
0.0000


 123.5441,  
134.4922, 42.8351

 6.1603, 7.1044,  
0.0000

 155.1944,  
168.5282, 59.8024

 2.9844, 3.5275,  
0.0000

 191.8353,  
207.8705, 80.7457

 1.1455, 1.4129,  
0.0000

 233.8322,

 0.0627, 0.2262,

252.9035, 106.0835

0.0000

281.5505,  
304.0116, 136.2345

■ 0.0000, 0.0000,  
0.0000

■ 39.5416, 43.7236,  
6.3554

■ 39.5416, 43.7236,  
6.3554

■ 39.5421, 43.7249,  
6.3557

■ 40.1270, 44.6924,  
7.1742

■ 40.8497, 45.7268,  
8.6821

■ 41.7559, 46.8469,  
11.1189

■ 42.8698, 48.0625,  
14.6102

■ 44.2113, 49.3816,  
19.2622

■ 45.7984, 50.8115,  
25.1683

■ 47.6468, 52.3586,  
32.4123

■ 49.7713, 54.0287,  
41.0706

■ 52.1852, 55.8273,  
51.2141

# Harmonies

## Analogous

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



52.8682, 43.7236, 8.1841



39.5416, 43.7236, 6.3554



29.0977, 43.7236, 10.1367

# Triad

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



39.5416, 43.7236, 6.3554



24.5309, 43.7236, 99.8539



67.8632, 43.7236, 84.1020

# Complementary

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



39.5416, 43.7236, 6.3554



10.7321, 4.7835, 55.0010

# 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.



57.1473, 43.7236, 131.4387



39.5416, 43.7236, 6.3554



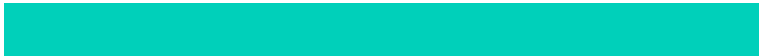
31.9881, 43.7236, 143.3343

# Square

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



39.5416, 43.7236, 6.3554



21.6333, 43.7236, 53.7229



43.6417, 43.7236, 157.1412



71.0194, 43.7236, 41.9748



# Rectangle

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



39.5416, 43.7236, 6.3554



24.5979, 43.7236, 17.5641



43.6417, 43.7236, 157.1412



64.9319, 43.7236, 100.4930

# Sweetspot

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



39.5426, 43.7257, 6.3563



82.3440, 90.5301, 55.5172



23.9777, 12.3429, 1.9477



17.3217, 19.1274, 10.6821



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.



39.5426, 43.7257, 6.3563



68.3493, 75.4787, 10.9664



28.8713, 45.5444, 7.2698



11.4158, 12.2007, 11.3161



25.1845, 27.8862, 4.0552



1.2228, 1.3810, 0.2021



# Inverse Universe

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



10.7321, 4.7835, 55.0010



18.4973, 8.1145, 95.1991



13.4600, 5.7348, 55.0409



10.1533, 10.4806, 13.4053



6.8577, 3.1093, 34.9831

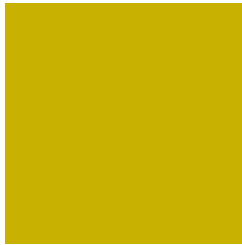


0.3584, 0.2147, 1.6677



# Previews

## White Background



This preview shows how the XYZ color 39.5416, 43.7236, 6.3554 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

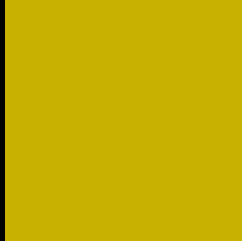
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 39.5416, 43.7236, 6.3554 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 39.5416, 43.7236, 6.3554**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.5416, 43.7236, 6.3554.



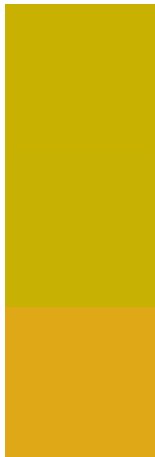
This preview shows how white text looks on a background with the XYZ color 39.5416, 43.7236,



# 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

39.5416, 43.7236, 6.3554

### Protanopia

39.2863, 43.5908, 6.4007

### Deuteranopia

44.5789, 43.7512, 6.8543



## Tritanopia

47.9693, 43.7862, 47.5183

# Trichromacy



## Original Color

39.5416, 43.7236, 6.3554

## Protanomaly

39.2808, 43.5886, 6.3718

## Deuteranomaly

42.6665, 43.6046, 6.5832

## Tritanomaly

42.6222, 42.6900, 21.6163

# Monochromacy



## Original Color

39.5416, 43.7236, 6.3554

## Achromatopsia

35.2861, 37.1238, 40.4278

## Achromatomaly

34.8181, 38.7225, 18.7358

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.5416, 43.7236, 6.3554 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(200, 177, 0)` looks like.

```
.text, #text, p{  
    color:rgb(200, 177, 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(200, 177, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 177, 0) }
```

## Border

The CSS property to change the border of an element to XYZ 39.5416, 43.7236, 6.3554 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(200, 177, 0) }
```



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

```
.border{ border-color:rgb(200, 177, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 177, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 177, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 177, 0);  
box-shadow:4px 4px 4px 4px rgb(200, 177,  
0) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.5416, 43.7236, 6.3554 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 177, 0) }
```

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

```
.background{ background-color: rgb(200,  
177, 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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