

# Converting Colors

XYZ(39.4204, 45.7326, 6.8272)

Have a look what the booklet for  
XYZ(39.4204, 45.7326, 6.8272)  
contains.

<b>XYZ(39.4051, 45.7569, 6.8412)</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(39.4051, 45.7569,  
6.8412)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C2B803
RGB	194, 184, 3
RGB Percent	76%, 72%, 1%
CMY	0.2392, 0.2784, 0.9882
CMYK	0.00, 0.05, 0.98, 0.24
HSL	57°, 97%, 39%
HSV	57°, 98%, 76%
XYZ	39.4051, 45.7569, 6.8412
YIQ	166.3560, 64.0610, -54.1710

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	14, 194, 3
Decimal	12761091
CIE Lab	73.39, -12.46, 74.61
CIE LCh	73, 75.640, 99.484
Yxy	45.7569, 0.4283, 0.4973
Android (android.graphics.Color)	4290951171 (0xFFC2B803)
YUV	166.3560, -80.5345, 24.2438
Hunter-Lab	67.6438, -14.3937, 41.3544

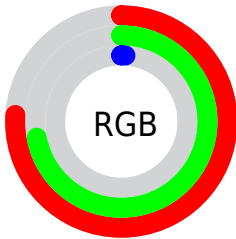
# Details

The XYZ color **39.4051, 45.7569, 6.8412** 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 **9.9194, 4.2027, 51.3270**, and the grayscale version is **36.7764, 38.6916, 42.1352**.

A 20% lighter version of the original color is **73.5183, 83.9851, 20.1205**, and **18.2696, 21.4668, 3.1806** is the 20% darker color. If you saturate the color by 10%, you get **39.3568, 45.6869, 6.7441**, and if you desaturate by 10%, it is **39.7501, 46.2353, 7.6096**.

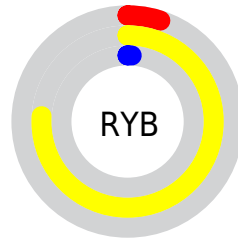
# Distribution



Red (76%)

Green (72%)

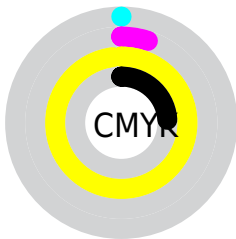
Blue (1%)



Red (5%)

Yellow (76%)

Blue (1%)

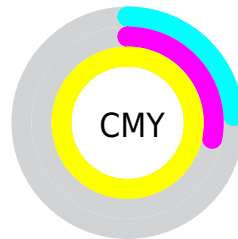


Cyan (0%)

Magenta (5%)

Yellow (98%)

Black (24%)



Cyan (24%)

Magenta (28%)


Yellow (99%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.4051, 45.7569, 6.8412 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 39.4051, 45.7569, 6.8412 by changing the saturation by 10% instead.





 39.4051, 45.7569,  
6.8412


 39.4051, 45.7569,  
6.8412


334.7873,  
369.8304, 175.9182

 27.2572, 32.0540,  
3.2860


 73.5469, 83.8551,  
20.1604

 17.9040, 21.4028,  
1.2425


 96.2714, 109.0191,  
30.7616

 10.9804, 13.4187,  
0.0139


 123.2522,  
138.7724, 44.5485

 6.1208, 7.7175,  
0.0000

 154.8546,  
173.4993, 61.9397

 2.9601, 3.9147,  
0.0000

 191.4440,  
213.5841, 83.3537

 1.1327, 1.6260,  
0.0000

 233.3856,

 0.0522, 0.3750,

259.4113, 109.2091

0.0000

281.0450,  
311.3653, 139.9244

■ 0.0000, 0.0000,  
0.0000

■ 39.4051, 45.7569,  
6.8412

■ 39.4051, 45.7569,  
6.8412

■ 39.3568, 45.6869,  
6.7441

■ 39.7501, 46.2353,  
7.6096

■ 40.2291, 46.7680,  
9.0803

■ 40.8773, 47.3708,  
11.4347

■ 41.7163, 48.0523,  
14.7860

■ 42.7642, 48.8199,  
19.2304

■ 44.0373, 49.6800,  
24.8528

■ 45.5501, 50.6384,  
31.7297

■ 47.3159, 51.7005,  
39.9314

■ 49.3470, 52.8711,  
49.5227

# Harmonies

## Analogous

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



53.0994, 45.7569, 7.8594



39.4051, 45.7569, 6.8412



29.1520, 45.7569, 11.9429

# Triad

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



39.4051, 45.7569, 6.8412



26.5656, 45.7569, 112.5381



72.1615, 45.7569, 80.2068

# Complementary

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



39.4051, 45.7569, 6.8412



9.9194, 4.2027, 51.3270

# 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.



61.8955, 45.7569, 130.5935



39.4051, 45.7569, 6.8412



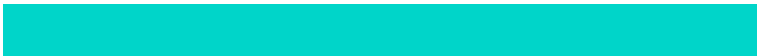
35.1171, 45.7569, 154.9466

# Square

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



39.4051, 45.7569, 6.8412



22.8027, 45.7569, 62.9126



47.8491, 45.7569, 162.8544



73.9625, 45.7569, 38.6854



# Rectangle

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



39.4051, 45.7569, 6.8412



24.9458, 45.7569, 21.0842



47.8491, 45.7569, 162.8544



69.4993, 45.7569, 97.1252

# Sweetspot

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



39.4061, 45.7591, 6.8421



81.9327, 91.3770, 54.7654



22.3724, 11.5715, 1.5348



17.6809, 19.8457, 10.8018



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.



39.4061, 45.7591, 6.8421



71.2446, 82.6527, 12.1986



25.8941, 41.9851, 6.8258



10.8668, 11.6651, 10.7407



25.8952, 30.0762, 4.4405



1.1329, 1.3276, 0.1965



# Inverse Universe

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



9.9194, 4.2027, 51.3270



17.7887, 7.3501, 92.9509



13.5875, 5.9284, 51.4668



9.5697, 9.8307, 12.6780



6.4934, 2.7434, 33.7439

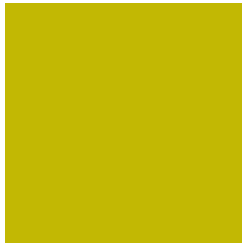


0.2954, 0.1483, 1.4629



# Previews

## White Background



This preview shows how the XYZ color 39.4051, 45.7569, 6.8412 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 39.4051, 45.7569, 6.8412 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 39.4051, 45.7569, 6.8412**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.4051, 45.7569, 6.8412.



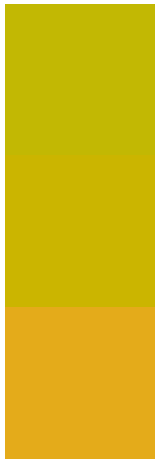
This preview shows how white text looks on a background with the XYZ color 39.4051, 45.7569,



# 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

39.4051, 45.7569, 6.8412

### Protanopia

41.1525, 45.7443, 6.6606

### Deuteranopia

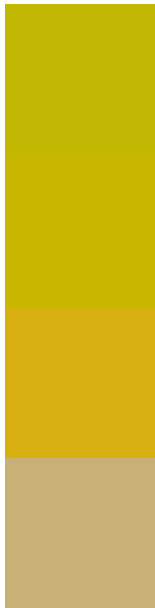
46.7443, 45.6944, 7.3335



## Tritanopia

48.3915, 45.5656, 51.5919

# Trichromacy



## Original Color

39.4051, 45.7569, 6.8412

## Protanomaly

40.5528, 45.7374, 6.7196

## Deuteranomaly

43.9534, 45.6933, 7.0754

## Tritanomaly

42.8827, 44.7762, 23.5220

# Monochromacy



## Original Color

39.4051, 45.7569, 6.8412

## Achromatopsia

36.2450, 38.1326, 41.5264

## Achromatomaly

35.5019, 40.1788, 19.7940

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.4051, 45.7569, 6.8412 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(194, 184, 3)` looks like.

```
.text, #text, p{  
    color:rgb(194, 184, 3)  
}
```

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(194, 184, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 184, 3) }
```

## Border

The CSS property to change the border of an element to XYZ 39.4051, 45.7569, 6.8412 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(194, 184, 3) }
```



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

```
.border{ border-color:rgb(194, 184, 3) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 184, 3)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 184, 3); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 184, 3);  
box-shadow:4px 4px 4px 4px rgb(194, 184,  
3) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.4051, 45.7569, 6.8412 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 184, 3) }
```

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

```
.background{ background-color: rgb(194,  
184, 3) }
```

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