

Converting Colors

XYZ(39.4122, 46.0909, 3.6648)

Have a look what the booklet for
XYZ(39.4122, 46.0909, 3.6648)
contains.

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Color

**XYZ(40.1139, 46.4337,
6.8484)**

Conversions

Conversions Part 1

Format	Color
Hex	C4B900
RGB	196, 185, 0
RGB Percent	77%, 73%, 0%
CMY	0.2314, 0.2745, 0.9999
CMYK	0.00, 0.06, 1.00, 0.23
HSL	57°, 100%, 38%
HSV	57°, 100%, 77%
XYZ	40.1139, 46.4337, 6.8484
YIQ	167.1990, 65.9410, -55.2030

Conversions

Conversions Part 2

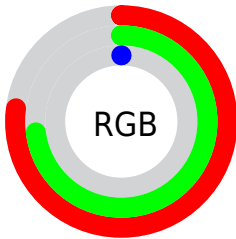
Format	Color
R _Y B	12, 196, 0
Decimal	12892416
CIE Lab	73.83, -12.13, 75.33
CIE LCh	74, 76.305, 99.148
Yxy	46.4337, 0.4295, 0.4972
Android (android.graphics.Color)	4291082496 (0xFFC4B900)
YUV	167.1990, -82.4291, 25.2585
Hunter-Lab	68.1423, -14.1699, 41.7409

Details

The XYZ color **40.1139, 46.4337, 6.8484** 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 **10.0838, 4.2253, 52.5081**, and the grayscale version is **37.1970, 39.1341, 42.6171**.

A 20% lighter version of the original color is **74.1805, 84.7647, 20.2361**, and **18.7325, 21.9058, 3.2409** is the 20% darker color. If you saturate the color by 10%, you get **40.1146, 46.4354, 6.8487**, and if you desaturate by 10%, it is **40.4687, 46.9469, 7.5730**.

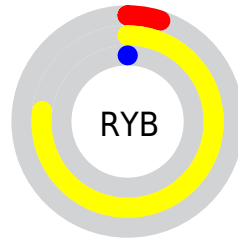
Distribution



Red (77%)

Green (73%)

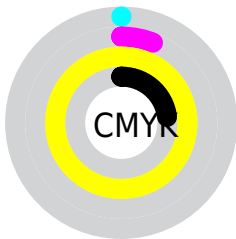
Blue (0%)



Red (5%)

Yellow (77%)

Blue (0%)

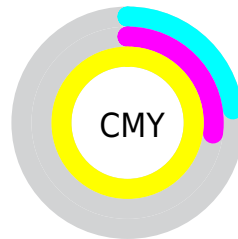


Cyan (0%)

Magenta (6%)

Yellow (100%)

Black (23%)



Cyan (23%)

Magenta (27%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.1139, 46.4337, 6.8484 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 40.1139, 46.4337, 6.8484 by changing the saturation by 10% instead.

40.1139, 46.4337,
6.8484

40.1139, 46.4337,
6.8484

337.7296,
372.5495, 175.9809

27.8120, 32.5882,
3.2905

74.6202, 84.8677,
20.1752

18.3237, 21.8112,
1.2448

97.5552, 110.2250,
30.7812

11.2837, 13.7182,
0.0159

124.7653,
140.1883, 44.5736

6.3267, 7.9249,
0.0000

156.6159,
175.1421, 61.9710

3.0873, 4.0470,
0.0000

193.4722,
215.4707, 83.3918

1.2001, 1.6999,
0.0000

235.6997,

0.1064, 0.4236,

261.5586, 109.2547

0.0000

283.6637,
313.7900, 139.9782

■ 0.0000, 0.0000,
0.0000

■ 40.1139, 46.4337,
6.8484

■ 40.1139, 46.4337,
6.8484

■ 40.1146, 46.4354,
6.8487

■ 40.4687, 46.9469,
7.5730

■ 40.9483, 47.5111,
8.9510

■ 41.5977, 48.1460,
11.2140

■ 42.4395, 48.8607,
14.4813

■ 43.4929, 49.6630,
18.8539

■ 44.7747, 50.5595,
24.4205

■ 46.3000, 51.5564,
31.2609

■ 48.0828, 52.6590,
39.4478

■ 50.1357, 53.8727,
49.0485

Harmonies

Analogous

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



54.0887, 46.4337, 7.9422



40.1139, 46.4337, 6.8484



29.6249, 46.4337, 11.9277

Triad

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



40.1139, 46.4337, 6.8484



26.8331, 46.4337, 113.9345



73.2850, 46.4337, 82.0966

Complementary

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



40.1139, 46.4337, 6.8484



10.0838, 4.2253, 52.5081

Split Complementary

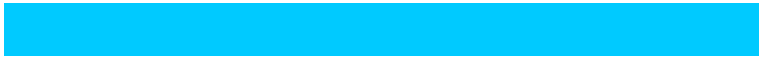
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



62.7421, 46.4337, 133.4773



40.1139, 46.4337, 6.8484



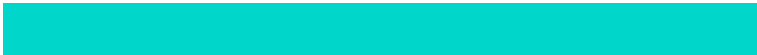
35.4821, 46.4337, 157.4832

Square

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



40.1139, 46.4337, 6.8484



23.0596, 46.4337, 63.3946



48.4138, 46.4337, 166.0458



75.2332, 46.4337, 39.5836

Rectangle

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



40.1139, 46.4337, 6.8484



25.3089, 46.4337, 21.1027



48.4138, 46.4337, 166.0458



70.5390, 46.4337, 99.3799

Sweetspot

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



40.1149, 46.4359, 6.8493



83.7324, 93.3069, 55.9800



22.8382, 11.7654, 1.4509



17.6590, 19.8019, 10.7945



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.



40.1149, 46.4359, 6.8493



72.6052, 83.9904, 12.3851



26.3049, 42.8639, 6.8877



10.8635, 11.6584, 10.7396



25.7971, 29.8799, 4.4078



1.1296, 1.3210, 0.1954

Inverse Universe

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



10.0838, 4.2253, 52.5081



18.2112, 7.5423, 95.1037



13.7052, 5.9146, 52.6433



9.5727, 9.8366, 12.6790



6.5000, 2.7565, 33.7461



0.2968, 0.1510, 1.4634

Previews

White Background



This preview shows how the XYZ color 40.1139, 46.4337, 6.8484 looks on a white background.

Color Contrast Check

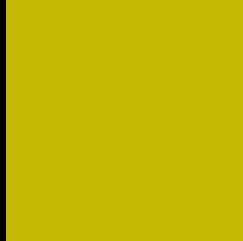
Large Text (above 18pt) WCAG AA × Fail

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 40.1139, 46.4337, 6.8484 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 40.1139, 46.4337, 6.8484

Background



This preview shows how black text looks on a background with the XYZ color 40.1139, 46.4337, 6.8484.



This preview shows how white text looks on a background with the XYZ color 40.1139, 46.4337,

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

40.1139, 46.4337, 6.8484

Protanopia

41.9048, 46.4350, 6.7542

Deuteranopia

47.2521, 46.2376, 7.4116



Tritanopia

49.2416, 46.2732, 52.2353

Trichromacy



Original Color

40.1139, 46.4337, 6.8484

Protanomaly

41.2906, 46.4235, 6.7844

Deuteranomaly

44.4386, 46.2365, 7.1127

Tritanomaly

43.6208, 45.4488, 23.6130

Monochromacy



Original Color

40.1139, 46.4337, 6.8484

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

36.0977, 40.7777, 19.6040

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.1139, 46.4337, 6.8484 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(196, 185, 0)` looks like.

```
.text, #text, p{  
    color:rgb(196, 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(196, 185, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 185, 0) }
```

Border

The CSS property to change the border of an element to XYZ 40.1139, 46.4337, 6.8484 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(196, 185, 0) }
```


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

```
.border{ border-color:rgb(196, 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(196, 185, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 185, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 185, 0);  
box-shadow:4px 4px 4px 4px rgb(196, 185,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 40.1139, 46.4337, 6.8484 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 185, 0) }
```

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

```
.background{ background-color: rgb(196,  
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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