

# Converting Colors

XYZ(39.5945, 43.2764, 23.5285)

Have a look what the booklet for  
XYZ(39.5945, 43.2764, 23.5285)  
contains.

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# Color

**XYZ(39.7312, 43.4437,  
23.4309)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BCB176
RGB	188, 177, 118
RGB Percent	74%, 69%, 46%
CMY	0.2627, 0.3059, 0.5372
CMYK	0.00, 0.06, 0.37, 0.26
HSL	51°, 34%, 60%
HSV	51°, 37%, 74%
XYZ	39.7312, 43.4437, 23.4309
YIQ	173.5630, 25.4950, -16.0170

# Conversions

## Conversions Part 2

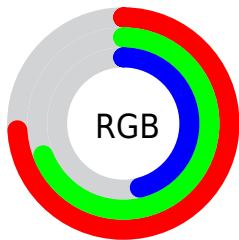
Format	Color
<a href="#">RYB</a>	<a href="#">131, 188, 118</a>
Decimal	<a href="#">12366198</a>
CIELab	<a href="#">71.86, -4.83, 31.62</a>
CIELCh	<a href="#">72, 31.991, 98.688</a>
Yxy	<a href="#">43.4437, 0.3727, 0.4075</a>
Android (android.graphics.Color)	<a href="#">4290556278</a> (0xFFBCB176)
YUV	<a href="#">173.5630, -27.3926, 12.6612</a>
Hunter-Lab	<a href="#">65.9118, -7.7471, 25.0614</a>

# Details

The XYZ color **39.7312, 43.4437, 23.4309** is a light color, and the websafe version is hex **999966**. A complement of this color would be **24.3983, 23.1821, 50.7656**, and the grayscale version is **40.1357, 42.2259, 45.9840**.

A 20% lighter version of the original color is **74.1458, 80.6306, 50.1834**, and **18.2393, 20.1652, 8.5612** is the 20% darker color. If you saturate the color by 10%, you get **38.1469, 41.8883, 17.9297**, and if you desaturate by 10%, it is **41.5530, 45.1174, 30.1108**.

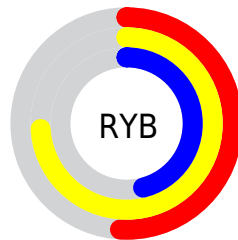
# Distribution



Red (74%)

Green (69%)

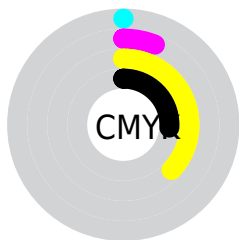
Blue (46%)



Red (51%)

Yellow (74%)

Blue (46%)

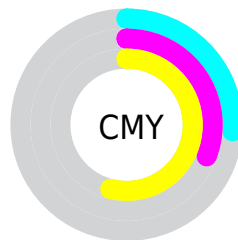


Cyan (0%)

Magenta (6%)

Yellow (37%)

Black (26%)



Cyan (26%)

Magenta (31%)

Yellow (54%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.7312, 43.4437, 23.4309 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 39.7312, 43.4437, 23.4309 by changing the saturation by 10% instead.





 39.7312, 43.4437,  
23.4309


 39.7312, 43.4437,  
23.4309


336.1432,  
360.4333, 283.1238

 27.5123, 30.2334,  
14.7037


 74.0410, 80.3800,  
50.0320

 18.0969, 20.0158,  
8.4674


 96.8625, 104.8748,  
68.7431

 11.1197, 12.4065,  
4.3034


 123.9491,  
133.8999, 91.6191

 6.2153, 7.0212,  
1.7932

155.6659,  
167.8396, 119.0788

 3.0183, 3.4754,  
0.4235

192.3783,  
207.0784, 151.5405

 1.1635, 1.3846,  
0.0000

234.4518,

 0.0772, 0.2054,

252.0007, 189.4229

0.0000

282.2517,  
302.9909, 233.1445

0.0000, 0.0000,  
0.0000

39.7312, 43.4437,  
23.4309

39.7312, 43.4437,  
23.4309

38.1469, 41.8883,  
17.9297

41.5530, 45.1174,  
30.1108

36.7835, 40.4398,  
13.5344

43.6212, 46.9085,  
38.0311

35.6273, 39.0940,  
10.1685

45.9485, 48.8236,  
47.2522

34.6614, 37.8443,  
7.7443

48.5454, 50.8671,  
57.8298

33.8666, 36.6827,  
6.1597

51.4221, 53.0433,  
69.8166

■ 33.2151, 35.5979,  
5.2698

■ 54.5879, 55.3559,  
83.2622

■ 33.0462, 35.3058,  
5.0730

■ 58.0520, 57.8087,  
98.2139

■ 59.5893, 59.5119,  
102.9540

■ 60.2827, 60.8986,  
103.1851

# Harmonies

## Analogous

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



45.2133, 43.4437, 24.5149



39.7312, 43.4437, 23.4309



35.0898, 43.4437, 27.5536

# Triad

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



39.7312, 43.4437, 23.4309



33.6503, 43.4437, 68.6190



51.8286, 43.4437, 59.0529

# Complementary

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



39.7312, 43.4437, 23.4309



24.3983, 23.1821, 50.7656

# 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.



48.1849, 43.4437, 74.7651



39.7312, 43.4437, 23.4309



37.6041, 43.4437, 81.0779

# Square

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



39.7312, 43.4437, 23.4309



31.7870, 43.4437, 51.9761



42.8930, 43.4437, 83.5453



52.5247, 43.4437, 42.9184



# Rectangle

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



39.7312, 43.4437, 23.4309



32.9810, 43.4437, 33.3742



42.8930, 43.4437, 83.5453



50.8935, 43.4437, 64.6504

# Sweetspot

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



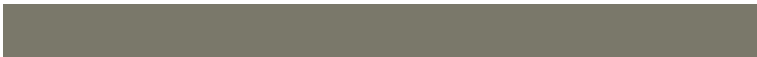
39.7323, 43.4457, 23.4318



81.5528, 87.0883, 78.7533



31.2247, 25.2514, 24.2308



17.4143, 18.6267, 16.4466



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438



# Same Dimension

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



39.7323, 43.4457, 23.4318



69.5395, 76.3260, 33.8563



36.7012, 45.2382, 23.9375



10.1912, 10.8583, 10.1354



22.5443, 24.1274, 3.4688



0.9179, 1.0148, 0.1475



# Inverse Universe

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



24.3983, 23.1821, 50.7656



37.6038, 34.1395, 90.8339



26.5972, 22.2802, 50.4756



9.1343, 9.4609, 12.0169



6.5242, 3.1602, 32.6590



0.2943, 0.2012, 1.2922



# Previews

## White Background



This preview shows how the XYZ color 39.7312, 43.4437, 23.4309 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 39.7312, 43.4437, 23.4309 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 39.7312, 43.4437, 23.4309**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.7312, 43.4437, 23.4309.



This preview shows how white text looks on a background with the XYZ color 39.7312, 43.4437,



# 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

39.7312, 43.4437, 23.4309

### Protanopia

40.2812, 43.4350, 23.4003

### Deuteranopia

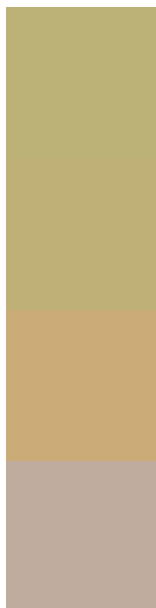
44.2568, 43.2102, 23.7771



## Tritanopia

45.1371, 43.3554, 50.2454

# Trichromacy



## Original Color

39.7312, 43.4437, 23.4309

## Protanomaly

40.0306, 43.3058, 23.3886

## Deuteranomaly

42.5213, 43.1542, 23.5413

## Tritanomaly

42.7488, 43.2147, 38.8891

# Monochromacy



## Original Color

39.7312, 43.4437, 23.4309

## Achromatopsia

40.2316, 42.3268, 46.0938

## Achromatomaly

39.7531, 42.5767, 36.6948

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.7312, 43.4437, 23.4309 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(188, 177, 118)` looks like.

```
.text, #text, p{  
    color:rgb(188, 177, 118)  
}
```

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(188, 177, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 177, 118) }
```

## Border

The CSS property to change the border of an element to XYZ 39.7312, 43.4437, 23.4309 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(188, 177, 118) }
```



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

```
.border{ border-color:rgb(188, 177, 118) }
```

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

Here you see how a box with a 4 pixel rgb(188, 177, 118) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 177, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 177, 118);  
box-shadow:4px 4px 4px 4px rgb(188, 177,  
118) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.7312, 43.4437, 23.4309 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 177, 118) }
```

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

```
.background{ background-color: rgb(188,  
177, 118) }
```

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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