

Converting Colors

$Y_{xy}(39.7700, 0.3845, 0.4396)$

Have a look what the booklet for
Yxy(39.7700, 0.3845, 0.4396)
contains.

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Color

Yxy(39.8900, 0.3836, 0.4400)

Conversions

Conversions Part 1

Format	Color
Hex	B0AD5C
RGB	176, 173, 92
RGB Percent	69%, 68%, 36%
CMY	0.3099, 0.3215, 0.6392
CMYK	0.00, 0.02, 0.48, 0.31
HSL	58°, 35%, 53%
HSV	58°, 48%, 69%
XYZ	34.7768, 39.8900, 15.9923
YIQ	164.6630, 27.7890, -24.5550

Conversions

Conversions Part 2

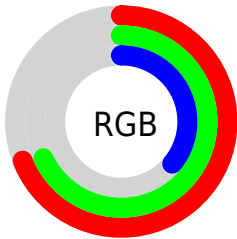
Format	Color
RYB	95, 176, 92
Decimal	11578716
CIELab	69.39, -10.45, 41.70
CIELCh	69, 42.992, 104.063
Yxy	39.8900, 0.3836, 0.4400
Android (android.graphics.Color)	4289768796 (0xFFB0AD5C)
YUV	164.6630, -35.8229, 9.9425
Hunter-Lab	63.1585, -12.2404, 29.1983

Details

The Yxy color **39.8900, 0.3836, 0.4400** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **13.5893, 0.2246, 0.1868**, and the grayscale version is **37.6217, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.8241, 0.3718, 0.4191**, and **17.9795, 0.4009, 0.4717** is the 20% darker color. If you saturate the color by 10%, you get **39.3807, 0.3964, 0.4594**, and if you desaturate by 10%, it is **40.4756, 0.3694, 0.4181**.

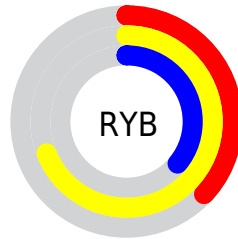
Distribution



Red (69%)

Green (68%)

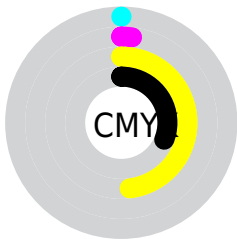
Blue (36%)



Red (37%)

Yellow (69%)

Blue (36%)

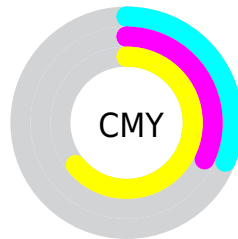


Cyan (0%)

Magenta (2%)

Yellow (48%)

Black (31%)



Cyan (31%)

Magenta (32%)

Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.8900, 0.3836, 0.4400 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 Yxy color 39.8900, 0.3836, 0.4400 by changing the saturation by 10% instead.


 39.8900, 0.3836,
0.4400


 39.8900, 0.3836,
0.4400


345.6597, 0.3494,
0.3833

 27.4528, 0.3912,
0.4540


 74.9960, 0.3717,
0.4194


 17.9136, 0.4001,
0.4715


 98.4335, 0.3671,
0.4116

 10.8880, 0.4103,
0.4936


 126.3067, 0.3631,
0.4050

 5.9915, 0.4219,
0.5233

 158.9998, 0.3596,
0.3994

 2.8399, 0.4345,
0.5655

196.8972, 0.3566,
0.3946

 1.0487, 0.4114,
0.5886

240.3834, 0.3539,

 0.0000, 0.0000,

0.3903

0.0000

289.8428, 0.3515,
0.3866

■ 39.8900, 0.3836,
0.4400

■ 39.8900, 0.3836,
0.4400

■ 39.3807, 0.3964,
0.4594

■ 40.4756, 0.3694,
0.4181

■ 38.9372, 0.4072,
0.4755

■ 41.1364, 0.3544,
0.3948

■ 38.5555, 0.4156,
0.4877


■ 41.8786, 0.3391,
0.3708

■ 38.2292, 0.4214,
0.4955

■ 42.7059, 0.3240,
0.3469

■ 37.9477, 0.4249,
0.4995

■ 43.6221, 0.3095,
0.3238

 37.8858, 0.4256,
0.5003

 44.6304, 0.2957,
0.3019

 45.7341, 0.2829,
0.2814

 46.9363, 0.2711,
0.2624

 48.2400, 0.2604,
0.2450

Harmonies

Analogous

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



39.8900, 0.4265, 0.4082



39.8900, 0.3836, 0.4400



39.8900, 0.3241, 0.4397

Triad

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



39.8900, 0.3836, 0.4400



39.8900, 0.2015, 0.2757



39.8900, 0.3554, 0.2717

Complementary

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



39.8900, 0.3836, 0.4400



13.5893, 0.2246, 0.1868

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.



39.8900, 0.2909, 0.2422



39.8900, 0.3836, 0.4400



39.8900, 0.2077, 0.2410

Square

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



39.8900, 0.3836, 0.4400



39.8900, 0.2209, 0.3333



39.8900, 0.2385, 0.2307



39.8900, 0.4118, 0.3140

Rectangle

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



39.8900, 0.3836, 0.4400



39.8900, 0.2834, 0.4160



39.8900, 0.2385, 0.2307



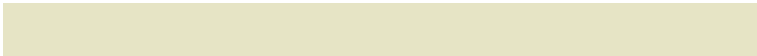
39.8900, 0.3336, 0.2601

Sweetspot

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



39.8918, 0.3836, 0.4400



76.4755, 0.3338, 0.3624



17.7312, 0.4347, 0.3232



16.5067, 0.3370, 0.3675



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



39.8918, 0.3836, 0.4400



71.4165, 0.3967, 0.4599



37.2358, 0.3451, 0.4595



9.8541, 0.3264, 0.3507



27.8228, 0.4255, 0.5003



0.8913, 0.4236, 0.5018

Inverse Universe

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



13.5893, 0.2246, 0.1868



18.0829, 0.2034, 0.1520



15.5184, 0.2627, 0.1957



8.2767, 0.2985, 0.3063



2.4174, 0.1508, 0.0628



0.0919, 0.1540, 0.0742

Previews

White Background



This preview shows how the Yxy color 39.8900, 0.3836, 0.4400 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 Yxy color 39.8900, 0.3836, 0.4400 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

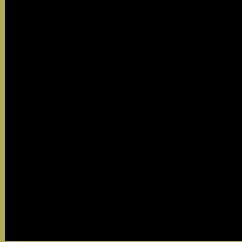
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.8900, 0.3836, 0.4400

Background



This preview shows how black text looks on a background with the Yxy color 39.8900, 0.3836, 0.4400.



This preview shows how white text looks on a background with the Yxy color 39.8900, 0.3836, 0.4400.

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

39.8900, 0.3836, 0.4400

Protanopia

40.0696, 0.3973, 0.4331

Deuteranopia

39.9323, 0.4196, 0.4115



Tritanopia

39.6433, 0.3220, 0.3118

Trichromacy



Original Color

39.8900, 0.3836, 0.4400

Protanomaly

39.9484, 0.3926, 0.4359

Deuteranomaly

39.8164, 0.4066, 0.4214

Tritanomaly

39.6269, 0.3466, 0.3594

Monochromacy



Original Color

39.8900, 0.3836, 0.4400

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

38.2753, 0.3399, 0.3723

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.8900, 0.3836, 0.4400 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(176, 173, 92)` looks like.

```
.text, #text, p{  
    color:rgb(176, 173, 92)  
}
```

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(176, 173, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 173, 92) }
```

Border

The CSS property to change the border of an element to Yxy 39.8900, 0.3836, 0.4400 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(176, 173, 92) }
```

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

```
.border{ border-color:rgb(176, 173, 92) }
```

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

Here you see how a box with a 4 pixel rgb(176, 173, 92) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 173, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 173, 92);  
box-shadow:4px 4px 4px 4px rgb(176, 173,  
92) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 39.8900, 0.3836, 0.4400$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 173, 92) }
```

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

```
.background{ background-color: rgb(176,  
173, 92) }
```

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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