

Converting Colors

$Yxy(39.7099, 0.4010, 0.4390)$

Have a look what the booklet for
Yxy(39.7099, 0.4010, 0.4390)
contains.

Yxy(39.8604, 0.4000, 0.4392)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(39.8604, 0.4000, 0.4392)

Conversions

Conversions Part 1

Format	Color
Hex	BAAA56
RGB	186, 170, 86
RGB Percent	73%, 67%, 34%
CMY	0.2706, 0.3333, 0.6626
CMYK	0.00, 0.09, 0.54, 0.27
HSL	50°, 42%, 53%
HSV	50°, 54%, 73%
XYZ	36.3027, 39.8604, 14.5937
YIQ	165.2080, 36.5000, -22.7320

Conversions

Conversions Part 2

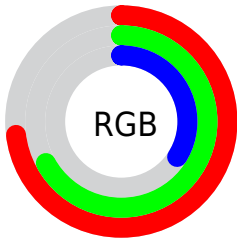
Format	Color
RYB	105, 186, 86
Decimal	12233302
CIELab	69.37, -5.20, 44.84
CIELCh	69, 45.138, 96.615
Yxy	39.8604, 0.4000, 0.4392
Android (android.graphics.Color)	4290423382 (0xFFBAAA56)
YUV	165.2080, -39.0495, 18.2346
Hunter-Lab	63.1351, -7.8488, 30.4897

Details

The Yxy color **39.8604, 0.4000, 0.4392** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **15.0321, 0.2157, 0.1858**, and the grayscale version is **37.9119, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.9185, 0.3853, 0.4194**, and **17.8301, 0.4200, 0.4680** is the 20% darker color. If you saturate the color by 10%, you get **38.4980, 0.4151, 0.4553**, and if you desaturate by 10%, it is **41.3297, 0.3837, 0.4204**.

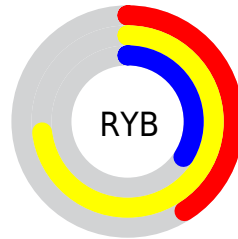
Distribution



Red (73%)

Green (67%)

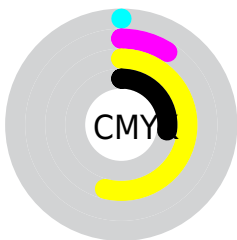
Blue (34%)



Red (41%)

Yellow (73%)

Blue (34%)

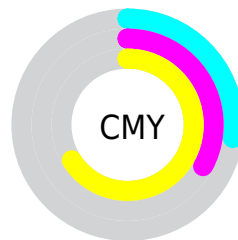


Cyan (0%)

Magenta (9%)

Yellow (54%)

Black (27%)



Cyan (27%)

Magenta (33%)

Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 39.8604, 0.4000, 0.4392 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 39.8604, 0.4000, 0.4392 by changing the saturation by 10% instead.

 39.8604, 0.4000,
0.4392


 39.8604, 0.4000,
0.4392


345.5348, 0.3576,
0.3841

 27.4297, 0.4095,
0.4522


 74.9509, 0.3852,
0.4196

 17.8962, 0.4207,
0.4680


 98.3795, 0.3795,
0.4120


 10.8755, 0.4336,
0.4873


 126.2428, 0.3745,
0.4056

 5.9832, 0.4509,
0.5143

 158.9254, 0.3702,
0.4001

 2.8349, 0.4614,
0.5386

 196.8114, 0.3664,
0.3953

 1.0461, 0.4509,
0.5491

240.2854, 0.3631,

 0.0000, 0.0000,

0.3911

0.0000

289.7318, 0.3602,
0.3874

■ 39.8604, 0.4000,
0.4392

■ 39.8604, 0.4000,
0.4392

■ 38.4980, 0.4151,
0.4553

■ 41.3297, 0.3837,
0.4204

■ 37.2307, 0.4282,
0.4678

■ 42.9061, 0.3668,
0.3999

■ 36.0529, 0.4389,
0.4760

■ 44.5965, 0.3500,
0.3786

■ 34.9560, 0.4467,
0.4796

■ 46.4058, 0.3337,
0.3573

■ 34.2991, 0.4507,
0.4804

■ 48.3385, 0.3182,
0.3365

■ 50.3986, 0.3038,
0.3167

■ 52.5903, 0.2906,
0.2981

■ 54.9172, 0.2785,
0.2808

■ 57.3830, 0.2675,
0.2649

Harmonies

Analogous

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



39.8604, 0.4385, 0.4000



39.8604, 0.4000, 0.4392



39.8604, 0.3404, 0.4498

Triad

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



39.8604, 0.4000, 0.4392



39.8604, 0.1991, 0.2858



39.8604, 0.3404, 0.2600

Complementary

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



39.8604, 0.4000, 0.4392



15.0321, 0.2157, 0.1858

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.



39.8604, 0.2744, 0.2336



39.8604, 0.4000, 0.4392



39.8604, 0.1991, 0.2433

Square

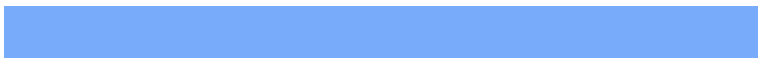
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



39.8604, 0.4000, 0.4392



39.8604, 0.2257, 0.3506



39.8604, 0.2248, 0.2268



39.8604, 0.4043, 0.3013

Rectangle

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



39.8604, 0.4000, 0.4392



39.8604, 0.2972, 0.4324



39.8604, 0.2248, 0.2268



39.8604, 0.3174, 0.2493

Sweetspot

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



39.8623, 0.4000, 0.4392



83.2786, 0.3377, 0.3627



18.0733, 0.4412, 0.3066



18.1886, 0.3411, 0.3671



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



39.8623, 0.4000, 0.4392



69.4791, 0.4169, 0.4572



42.5242, 0.3584, 0.4717



10.2523, 0.3268, 0.3481



23.1709, 0.4502, 0.4808



0.8831, 0.4410, 0.4880

Inverse Universe

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



15.0321, 0.2157, 0.1858



20.0493, 0.1947, 0.1512



14.1547, 0.2417, 0.1723



8.9452, 0.2984, 0.3092



3.0746, 0.1542, 0.0752



0.1814, 0.1656, 0.1160

Previews

White Background



This preview shows how the Yxy color 39.8604, 0.4000, 0.4392 looks on a white background.

Color Contrast Check

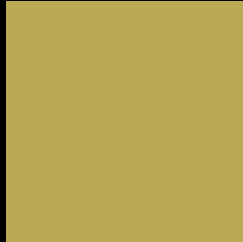
Large Text (above 18pt) WCAG AA × Fail

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 39.8604, 0.4000, 0.4392 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

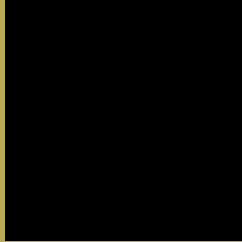
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.8604, 0.4000, 0.4392

Background



This preview shows how black text looks on a background with the Yxy color 39.8604, 0.4000, 0.4392.



This preview shows how white text looks on a background with the Yxy color 39.8604, 0.4000, 0.4392.

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

39.8604, 0.4000, 0.4392

Protanopia

39.9861, 0.4011, 0.4388

Deuteranopia

39.6042, 0.4271, 0.4175



Tritanopia

39.6281, 0.3337, 0.3122

Trichromacy



Original Color

39.8604, 0.4000, 0.4392

Protanomaly

39.9861, 0.4011, 0.4388

Deuteranomaly

39.5184, 0.4177, 0.4252

Tritanomaly

39.5504, 0.3602, 0.3600

Monochromacy



Original Color

39.8604, 0.4000, 0.4392

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

38.2992, 0.3459, 0.3733

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.8604, 0.4000, 0.4392 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(186, 170, 86)` looks like.

```
.text, #text, p{  
    color:rgb(186, 170, 86)  
}
```

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(186, 170, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 170, 86) }
```

Border

The CSS property to change the border of an element to Yxy 39.8604, 0.4000, 0.4392 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(186, 170, 86) }
```

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

```
.border{ border-color:rgb(186, 170, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 170, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 170, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 170, 86);  
box-shadow:4px 4px 4px 4px rgb(186, 170,  
86) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 39.8604, 0.4000, 0.4392$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 170, 86) }
```

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

```
.background{ background-color: rgb(186,  
170, 86) }
```

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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