

Converting Colors

$Y_{xy}(39.5275, 0.4063, 0.4730)$

Have a look what the booklet for
Yxy(39.5275, 0.4063, 0.4730)
contains.

Yxy(39.5605, 0.4055, 0.4733)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(39.5605, 0.4055, 0.4733)

Conversions

Conversions Part 1

Format	Color
Hex	B1AD3C
RGB	177, 173, 60
RGB Percent	69%, 68%, 24%
CMY	0.3058, 0.3216, 0.7645
CMYK	0.00, 0.02, 0.66, 0.31
HSL	58°, 49%, 46%
HSV	58°, 66%, 69%
XYZ	33.8935, 39.5605, 10.1304
YIQ	161.3140, 38.6570, -34.2950

Conversions

Conversions Part 2

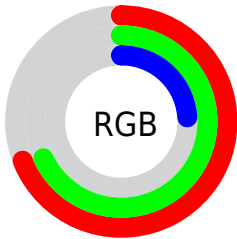
Format	Color
RYB	64, 177, 60
Decimal	11644220
CIELab	69.16, -12.48, 56.19
CIELCh	69, 57.564, 102.525
Yxy	39.5605, 0.4055, 0.4733
Android (android.graphics.Color)	4289834300 (0xFFB1AD3C)
YUV	161.3140, -49.9478, 13.7566
Hunter-Lab	62.8971, -13.8814, 34.4785

Details

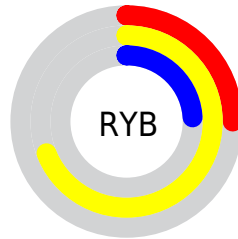
The Yxy color **39.5605, 0.4055, 0.4733** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **7.8101, 0.1879, 0.1261**, and the grayscale version is **36.0216, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.3412, 0.3918, 0.4482**, and **17.7397, 0.4193, 0.5053** is the 20% darker color. If you saturate the color by 10%, you get **39.1730, 0.4143, 0.4861**, and if you desaturate by 10%, it is **40.0154, 0.3944, 0.4566**.

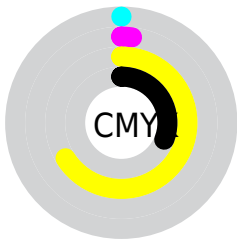
Distribution



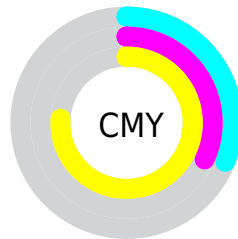
- Red (69%)
- Green (68%)
- Blue (24%)



- Red (25%)
- Yellow (69%)
- Blue (24%)



- Cyan (0%)
- Magenta (2%)
- Yellow (66%)
- Black (31%)





- Cyan (31%)
- Magenta (32%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.5605, 0.4055, 0.4733 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 39.5605, 0.4055, 0.4733 by changing the saturation by 10% instead.


 39.5605, 0.4055,
0.4733


 39.5605, 0.4055,
0.4733

344.2677, 0.3629,
0.4014


 27.1960, 0.4136,
0.4896


 74.4938, 0.3916,
0.4481


 17.7205, 0.4220,
0.5089


 97.8314, 0.3859,
0.4382


 10.7495, 0.4296,
0.5313


 125.5955, 0.3808,
0.4298

 5.8987, 0.4379,
0.5621

 158.1706, 0.3764,
0.4226

 2.7836, 0.4234,
0.5766

 195.9409, 0.3724,
0.4162

 1.0198, 0.3924,
0.6076

239.2909, 0.3689,

 0.0000, 0.0000,

0.4107

0.0000

288.6051, 0.3657,
0.4058

■ 39.5605, 0.4055,
0.4733

■ 39.5605, 0.4055,
0.4733

■ 39.1730, 0.4143,
0.4861

■ 40.0154, 0.3944,
0.4566

■ 38.8408, 0.4205,
0.4947

■ 40.5377, 0.3813,
0.4367

■ 38.5572, 0.4242,
0.4992

■ 41.1344, 0.3670,
0.4145

■ 38.4520, 0.4254,
0.5004

■ 41.8099, 0.3519,
0.3909

■ 42.5685, 0.3366,
0.3669

■ 43.4139, 0.3216,
0.3431

■ 44.3499, 0.3071,
0.3201

■ 45.3799, 0.2935,
0.2984

■ 46.5070, 0.2809,
0.2781

Harmonies

Analogous

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



39.5605, 0.4627, 0.4240



39.5605, 0.4055, 0.4733



39.5605, 0.3280, 0.4830

Triad

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



39.5605, 0.4055, 0.4733



39.5605, 0.1703, 0.2590



39.5605, 0.3642, 0.2522

Complementary

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



39.5605, 0.4055, 0.4733



7.8101, 0.1879, 0.1261

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.



39.5605, 0.2785, 0.2166



39.5605, 0.4055, 0.4733



39.5605, 0.1770, 0.2152

Square

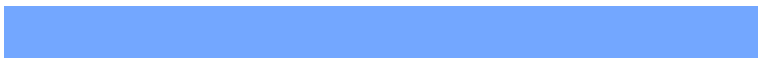
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



39.5605, 0.4055, 0.4733



39.5605, 0.1945, 0.3369



39.5605, 0.2132, 0.2029



39.5605, 0.4428, 0.3038

Rectangle

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



39.5605, 0.4055, 0.4733



39.5605, 0.2750, 0.4536



39.5605, 0.2132, 0.2029



39.5605, 0.3347, 0.2382

Sweetspot

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



39.5623, 0.4055, 0.4733



75.6305, 0.3431, 0.3771



12.9771, 0.5150, 0.3223



16.3103, 0.3473, 0.3837



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.



39.5623, 0.4055, 0.4733



69.8821, 0.4173, 0.4903



36.0886, 0.3512, 0.5088



9.8557, 0.3264, 0.3508



27.8749, 0.4253, 0.5005



0.8924, 0.4235, 0.5019

Inverse Universe

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



7.8101, 0.1879, 0.1261



8.9951, 0.1659, 0.0890



9.9009, 0.2370, 0.1437



8.2753, 0.2985, 0.3063



2.4138, 0.1508, 0.0627



0.0913, 0.1539, 0.0738

Previews

White Background



This preview shows how the Yxy color 39.5605, 0.4055, 0.4733 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 39.5605, 0.4055, 0.4733 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

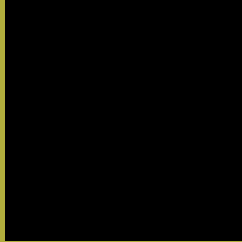
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.5605, 0.4055, 0.4733

Background



This preview shows how black text looks on a background with the Yxy color 39.5605, 0.4055, 0.4733.



This preview shows how white text looks on a background with the Yxy color 39.5605, 0.4055, 0.4733.

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

39.5605, 0.4055, 0.4733

Protanopia

39.5105, 0.4214, 0.4630

Deuteranopia

39.2134, 0.4473, 0.4377



Tritanopia

39.4614, 0.3258, 0.3132

Trichromacy



Original Color

39.5605, 0.4055, 0.4733

Protanomaly

39.3795, 0.4165, 0.4664

Deuteranomaly

39.2749, 0.4316, 0.4503

Tritanomaly

39.0332, 0.3590, 0.3747

Monochromacy



Original Color

39.5605, 0.4055, 0.4733

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

36.5810, 0.3514, 0.3892

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.5605, 0.4055, 0.4733 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(177, 173, 60)` looks like.

```
.text, #text, p{  
    color:rgb(177, 173, 60)  
}
```

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(177, 173, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 173, 60) }
```

Border

The CSS property to change the border of an element to Yxy 39.5605, 0.4055, 0.4733 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(177, 173, 60) }
```

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

```
.border{ border-color:rgb(177, 173, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 173, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 173, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 173, 60);  
box-shadow:4px 4px 4px 4px rgb(177, 173,  
60) }
```


Background

The CSS property to change the background color of an element to Yxy 39.5605, 0.4055, 0.4733 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 173, 60) }
```

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

```
.background{ background-color: rgb(177,  
173, 60) }
```

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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