

Converting Colors

$Yxy(39.0777, 0.3473, 0.4314)$

Have a look what the booklet for
Yxy(39.0777, 0.3473, 0.4314)
contains.

Yxy(38.9057, 0.3473, 0.4308)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(38.9057, 0.3473, 0.4308)

Conversions

Conversions Part 1

Format	Color
Hex	99B06C
RGB	153, 176, 108
RGB Percent	60%, 69%, 42%
CMY	0.4001, 0.3098, 0.5765
CMYK	0.13, 0.00, 0.39, 0.31
HSL	80°, 30%, 56%
HSV	80°, 39%, 69%
XYZ	31.3648, 38.9057, 20.0399
YIQ	161.3710, 8.1200, -26.0240

Conversions

Conversions Part 2

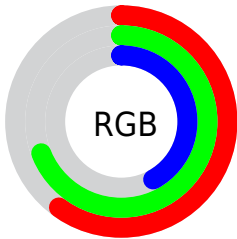
Format	Color
RYB	108, 176, 131
Decimal	10072172
CIELab	68.68, -19.49, 32.24
CIELCh	69, 37.675, 121.159
Yxy	38.9057, 0.3473, 0.4308
Android (android.graphics.Color)	4288262252 (0xFF99B06C)
YUV	161.3710, -26.3119, -7.3414
Hunter-Lab	62.3744, -19.3971, 24.6132

Details

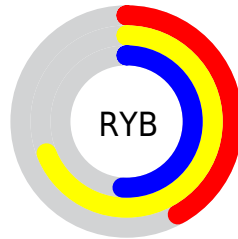
The Yxy color **38.9057, 0.3473, 0.4308** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **18.6849, 0.2662, 0.2205**, and the grayscale version is **35.9427, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.6612, 0.3417, 0.4112**, and **17.2484, 0.3554, 0.4630** is the 20% darker color. If you saturate the color by 10%, you get **38.0042, 0.3546, 0.4580**, and if you desaturate by 10%, it is **39.9152, 0.3389, 0.4032**.

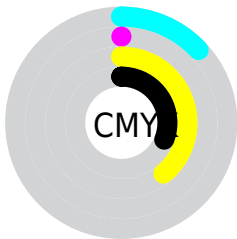
Distribution



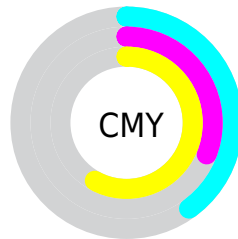
- Red (60%)
- Green (69%)
- Blue (42%)



- Red (42%)
- Yellow (69%)
- Blue (51%)



- Cyan (13%)
- Magenta (0%)
- Yellow (39%)
- Black (31%)




- Cyan (40%)
- Magenta (31%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.9057, 0.3473, 0.4308 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 38.9057, 0.3473, 0.4308 by changing the saturation by 10% instead.

 38.9057, 0.3473,
0.4308


 38.9057, 0.3473,
0.4308

341.4894, 0.3311,
0.3768


 26.6864, 0.3508,
0.4451


 73.4942, 0.3418,
0.4105

 17.3378, 0.3547,
0.4638


 96.6322, 0.3396,
0.4031

 10.4756, 0.3589,
0.4893


 124.1786, 0.3377,
0.3969

 5.7154, 0.3624,
0.5252

 156.5177, 0.3360,
0.3917

 2.6728, 0.3846,
0.6154

194.0339, 0.3345,
0.3872

 0.9634, 0.3124,
0.6876

237.1117, 0.3332,

 0.0000, 0.0000,

0.3832

0.0000

286.1354, 0.3321,
0.3798

■ 38.9057, 0.3473,
0.4308

■ 38.9057, 0.3473,
0.4308

■ 38.0042, 0.3546,
0.4580

■ 39.9152, 0.3389,
0.4032

■ 37.2007, 0.3604,
0.4837

■ 41.0323, 0.3299,
0.3761

■ 36.4913, 0.3642,
0.5067


■ 42.2629, 0.3207,
0.3501

■ 35.8698, 0.3656,
0.5258

■ 43.6110, 0.3115,
0.3258


■ 35.3291, 0.3646,
0.5402


■ 45.0805, 0.3026,
0.3034

 34.8568, 0.3616,
0.5502

 46.6750, 0.2941,
0.2829

 34.7958, 0.3611,
0.5515

 48.3980, 0.2862,
0.2643

 50.2526, 0.2788,
0.2475

 51.4861, 0.2791,
0.2427

Harmonies

Analogous

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



38.9057, 0.3953, 0.4185



38.9057, 0.3473, 0.4308



38.9057, 0.2924, 0.4088

Triad

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



38.9057, 0.3473, 0.4308



38.9057, 0.2134, 0.2616



38.9057, 0.3812, 0.2987

Complementary

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



38.9057, 0.3473, 0.4308



18.6849, 0.2662, 0.2205

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.



38.9057, 0.3260, 0.2645



38.9057, 0.3473, 0.4308



38.9057, 0.2319, 0.2425

Square

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



38.9057, 0.3473, 0.4308



38.9057, 0.2178, 0.3025



38.9057, 0.2715, 0.2444



38.9057, 0.4177, 0.3409

Rectangle

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



38.9057, 0.3473, 0.4308



38.9057, 0.2595, 0.3770



38.9057, 0.2715, 0.2444



38.9057, 0.3639, 0.2861

Sweetspot

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



38.9074, 0.3473, 0.4308



75.8208, 0.3240, 0.3592



26.4559, 0.3934, 0.3628



16.3702, 0.3251, 0.3624



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.



38.9074, 0.3473, 0.4308



69.2052, 0.3534, 0.4531



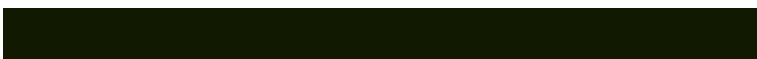
36.0826, 0.3166, 0.4414



9.7597, 0.3213, 0.3518



25.5599, 0.3617, 0.5510



0.8348, 0.3783, 0.5378

Inverse Universe

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



18.6849, 0.2662, 0.2205



27.5238, 0.2537, 0.1948



21.8220, 0.3040, 0.2315



8.3654, 0.3036, 0.3058



3.0251, 0.1766, 0.0746



0.1281, 0.2102, 0.0932

Previews

White Background



This preview shows how the Yxy color 38.9057, 0.3473, 0.4308 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 38.9057, 0.3473, 0.4308 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

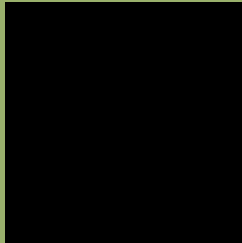
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.9057, 0.3473, 0.4308

Background



This preview shows how black text looks on a background with the Yxy color 38.9057, 0.3473, 0.4308.



This preview shows how white text looks on a background with the Yxy color 38.9057, 0.3473, 0.4308.

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

38.9057, 0.3473, 0.4308

Protanopia

38.6024, 0.3826, 0.4142

Deuteranopia

38.5908, 0.3987, 0.3913



Tritanopia

38.7602, 0.2975, 0.3094

Trichromacy



Original Color

38.9057, 0.3473, 0.4308

Protanomaly

38.4480, 0.3691, 0.4202

Deuteranomaly

38.4874, 0.3789, 0.4047

Tritanomaly

38.4535, 0.3162, 0.3523

Monochromacy



Original Color

38.9057, 0.3473, 0.4308

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

36.4945, 0.3261, 0.3648

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.9057, 0.3473, 0.4308 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(153, 176, 108)` looks like.

```
.text, #text, p{  
    color:rgb(153, 176, 108)  
}
```

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(153, 176, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 176, 108) }
```

Border

The CSS property to change the border of an element to Yxy 38.9057, 0.3473, 0.4308 is called "border". The border property can be set on classes, ids or directly on the HTML element.

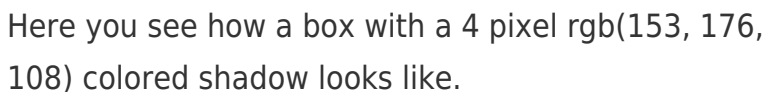
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(153, 176, 108) }
```

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

```
.border{ border-color:rgb(153, 176, 108) }
```

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



Here you see how a box with a 4 pixel `rgb(153, 176, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(153, 176, 108); -webkit-box-shadow:4px 4px 4px 4px rgb(153, 176, 108); box-shadow:4px 4px 4px 4px rgb(153, 176, 108) }
```


Background

The CSS property to change the background color of an element to Yxy 38.9057, 0.3473, 0.4308 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 176, 108) }
```

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

```
.background{ background-color: rgb(153,  
176, 108) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor