

# Converting Colors

$Yxy(39.2635, 0.3257, 0.3880)$

Have a look what the booklet for  
Yxy(39.2635, 0.3257, 0.3880)  
contains.

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# Color

**Yxy(39.2098, 0.3251, 0.3873)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	99AF88
RGB	153, 175, 136
RGB Percent	60%, 69%, 53%
CMY	0.3999, 0.3137, 0.4668
CMYK	0.13, 0.00, 0.22, 0.31
HSL	94°, 20%, 61%
HSV	94°, 22%, 69%
XYZ	32.9127, 39.2098, 29.1163
YIQ	163.9760, -0.5930, -16.7930

# Conversions

## Conversions Part 2

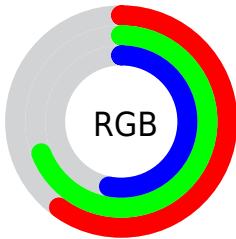
<b>Format</b>	<b>Color</b>
<b>RYB</b>	136, 175, 158
Decimal	10071944
CIELab	68.90, -14.85, 17.53
CIELCh	69, 22.976, 130.262
Yxy	39.2098, 0.3251, 0.3873
Android (android.graphics.Color)	4288262024 (0xFF99AF88)
YUV	163.9760, -13.7922, -9.6260
Hunter-Lab	62.6177, -15.7590, 16.2635

# Details

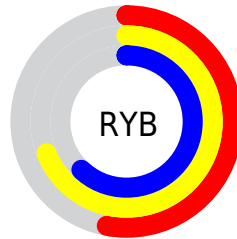
The Yxy color  $39.2098, 0.3251, 0.3873$  is a light color, and the websafe version is hex  $999966$ . A complement of this color would be  $27.9604, 0.2976, 0.2716$ , and the grayscale version is  $37.1812, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $74.2358, 0.3235, 0.3766$ , and  $17.6626, 0.3284, 0.4073$  is the 20% darker color. If you saturate the color by 10%, you get  $37.8341, 0.3301, 0.4165$ , and if you desaturate by 10%, it is  $40.7493, 0.3196, 0.3598$ .

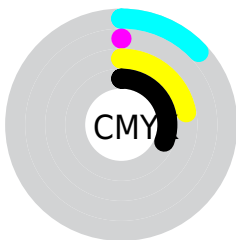
# Distribution



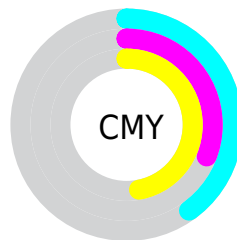
- Red (60%)
- Green (69%)
- Blue (53%)



- Red (53%)
- Yellow (69%)
- Blue (62%)



- Cyan (13%)
- Magenta (0%)
- Yellow (22%)
- Black (31%)



- Cyan (40%)
- Magenta (31%)
- Yellow (47%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 39.2098, 0.3251, 0.3873 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 39.2098, 0.3251, 0.3873 by changing the saturation by 10% instead.





 39.2098, 0.3251,  
0.3873


 39.2098, 0.3251,  
0.3873


342.7816, 0.3192,  
0.3565


 26.9230, 0.3264,  
0.3956


 73.9587, 0.3230,  
0.3757

 17.5154, 0.3280,  
0.4065


 97.1896, 0.3222,  
0.3715

 10.6026, 0.3300,  
0.4217


 124.8373, 0.3216,  
0.3679

 5.8003, 0.3322,  
0.4440

157.2862, 0.3210,  
0.3649

 2.7240, 0.3340,  
0.4800

194.9207, 0.3204,  
0.3624

 0.9894, 0.3673,  
0.6327

238.1251, 0.3200,

 0.0000, 0.0000,

0.3602

0.0000

287.2840, 0.3196,  
0.3582

■ 39.2098, 0.3251,  
0.3873

■ 39.2098, 0.3251,  
0.3873

■ 37.8341, 0.3301,  
0.4165

■ 40.7493, 0.3196,  
0.3598

■ 36.6114, 0.3344,  
0.4468

■ 42.4531, 0.3140,  
0.3345

■ 35.5370, 0.3375,  
0.4770

■ 44.3280, 0.3084,  
0.3115

■ 34.6042, 0.3391,  
0.5058

■ 46.3791, 0.3030,  
0.2908

■ 33.8056, 0.3389,  
0.5316

■ 48.6110, 0.2978,  
0.2723

■ 33.1331, 0.3367,  
0.5528

■ 51.0285, 0.2929,  
0.2559

■ 32.5772, 0.3326,  
0.5683

■ 53.4100, 0.2907,  
0.2445

■ 32.2152, 0.3287,  
0.5772

■ 55.0118, 0.2983,  
0.2463

■ 56.7061, 0.3059,  
0.2482

# Harmonies

## Analogous

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



39.2098, 0.3566, 0.3880



39.2098, 0.3251, 0.3873



39.2098, 0.2915, 0.3681

# Triad

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



39.2098, 0.3251, 0.3873



39.2098, 0.2520, 0.2827



39.2098, 0.3626, 0.3187

# Complementary

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



39.2098, 0.3251, 0.3873



27.9604, 0.2976, 0.2716

# 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.



39.2098, 0.3321, 0.2941



39.2098, 0.3251, 0.3873



39.2098, 0.2687, 0.2734

# Square

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



39.2098, 0.3251, 0.3873



39.2098, 0.2505, 0.3053



39.2098, 0.2975, 0.2778



39.2098, 0.3793, 0.3468



# Rectangle

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



39.2098, 0.3251, 0.3873



39.2098, 0.2723, 0.3480



39.2098, 0.2975, 0.2778



39.2098, 0.3535, 0.3098

# Sweetspot

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



39.2115, 0.3251, 0.3873



74.5233, 0.3167, 0.3464



35.1535, 0.3507, 0.3599



16.5244, 0.3171, 0.3479



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.



39.2115, 0.3251, 0.3873



68.9168, 0.3278, 0.4022



37.7249, 0.3083, 0.3869



9.1041, 0.3180, 0.3520



23.1056, 0.3295, 0.5765



0.6755, 0.3549, 0.5564



# Inverse Universe

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



27.9604, 0.2976, 0.2716



45.0010, 0.2933, 0.2573



29.7343, 0.3172, 0.2772



7.9713, 0.3070, 0.3062



4.1346, 0.2166, 0.0967



0.1466, 0.2482, 0.1141



# Previews

## White Background



This preview shows how the Yxy color 39.2098, 0.3251, 0.3873 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 39.2098, 0.3251, 0.3873 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 39.2098, 0.3251, 0.3873**

## Background



This preview shows how black text looks on a background with the Yxy color 39.2098, 0.3251, 0.3873.



This preview shows how white text looks on a background with the Yxy color 39.2098, 0.3251, 0.3873.

# 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

39.2098, 0.3251, 0.3873

### Protanopia

39.2549, 0.3552, 0.3793

### Deuteranopia

38.8232, 0.3661, 0.3585



## Tritanopia

39.2269, 0.2941, 0.3108

# Trichromacy



## Original Color

39.2098, 0.3251, 0.3873

## Protanomaly

39.3653, 0.3446, 0.3834

## Deuteranomaly

38.6911, 0.3504, 0.3682

## Tritanomaly

39.0105, 0.3052, 0.3376

# Monochromacy



## Original Color

39.2098, 0.3251, 0.3873

## Achromatopsia

37.1238, 0.3127, 0.3290

## Achromatomaly

37.8119, 0.3173, 0.3494

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 39.2098, 0.3251, 0.3873 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, 175, 136)` looks like.

```
.text, #text, p{  
    color:rgb(153, 175, 136)  
}
```

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, 175, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 175, 136) }
```

## Border

The CSS property to change the border of an element to Yxy 39.2098, 0.3251, 0.3873 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, 175, 136) }
```

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

```
.border{ border-color:rgb(153, 175, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 175, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 175, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 175, 136);  
box-shadow:4px 4px 4px 4px rgb(153, 175,  
136) }
```



# Background

The CSS property to change the background color of an element to Yxy 39.2098, 0.3251, 0.3873 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 175, 136) }
```

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

```
.background{ background-color: rgb(153,  
175, 136) }
```

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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