

# Converting Colors

Yxy(38.8140, 0.3393, 0.3482)

Have a look what the booklet for  
Yxy(38.8140, 0.3393, 0.3482)  
contains.

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# Color

**Yxy(38.8479, 0.3396, 0.3484)**

# Conversions

Conversions Part 1	
Format	Color
Hex	B4A597
RGB	180, 165, 151
RGB Percent	71%, 65%, 59%
CMY	0.2941, 0.3529, 0.4078
CMYK	0.00, 0.08, 0.16, 0.29
HSL	29°, 16%, 65%
HSV	29°, 16%, 71%
XYZ	37.8667, 38.8479, 34.7892
YIQ	167.8890, 13.4340, -1.1740

# Conversions

## Conversions Part 2

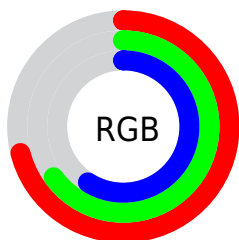
Format	Color
<a href="#">RYB</a>	<a href="#">180, 178, 151</a>
Decimal	<a href="#">11838871</a>
CIELab	<a href="#">68.64, 3.08, 9.20</a>
CIELCh	<a href="#">69, 9.706, 71.502</a>
Yxy	<a href="#">38.8479, 0.3396, 0.3484</a>
Android (android.graphics.Color)	<a href="#">4290028951</a> (0xFFB4A597)
YUV	<a href="#">167.8890, -8.3263, 10.6213</a>
Hunter-Lab	<a href="#">62.3281, -0.6286, 10.5362</a>

# Details

The Yxy color  $38.8479, 0.3396, 0.3484$  is a light color, and the websafe version is hex  $999999$ . A complement of this color would be  $37.1619, 0.2879, 0.3088$ , and the grayscale version is  $39.1393, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $73.4270, 0.3346, 0.3450$ , and  $17.2424, 0.3483, 0.3541$  is the 20% darker color. If you saturate the color by 10%, you get  $35.0673, 0.3594, 0.3612$ , and if you desaturate by 10%, it is  $42.9664, 0.3222, 0.3361$ .

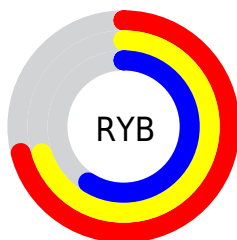
# Distribution



Red (71%)

Green (65%)

Blue (59%)



Red (71%)

Yellow (70%)

Blue (59%)

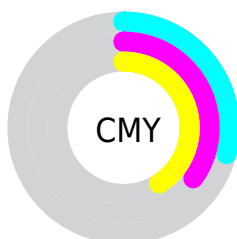


Cyan (0%)

Magenta (8%)

Yellow (16%)

Black (29%)



Cyan (29%)


Magenta (35%)


Yellow (41%)

# Brightness & Saturation Gradients


These gradients show how the Yxy color 38.8479, 0.3396, 0.3484 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 38.8479, 0.3396, 0.3484 by changing the saturation by 10% instead.


 38.8479, 0.3396,  
0.3484

 38.8479, 0.3396,  
0.3484


341.2434, 0.3257,  
0.3385

 26.6414, 0.3432,  
0.3509


 73.4059, 0.3344,  
0.3448

 17.3041, 0.3480,  
0.3542


 96.5262, 0.3325,  
0.3434

 10.4515, 0.3545,  
0.3587


124.0533, 0.3309,  
0.3423

 5.6994, 0.3638,  
0.3650

156.3715, 0.3296,  
0.3413

 2.6631, 0.3785,  
0.3746

193.8652, 0.3284,  
0.3405

 0.9585, 0.4225,  
0.4080


236.9188, 0.3274,


 0.0000, 0.0000,


0.3397


0.0000


285.9167, 0.3265,  
0.3391


 38.8479, 0.3396,  
0.3484


 38.8479, 0.3396,  
0.3484


 35.0673, 0.3594,  
0.3612

 42.9664, 0.3222,  
0.3361


 31.6103, 0.3817,  
0.3741

 47.4264, 0.3071,  
0.3246


 28.4688, 0.4065,  
0.3866


 52.2381, 0.2939,  
0.3139

 25.6325, 0.4333,  
0.3979


 57.4097, 0.2824,  
0.3040


 23.0904, 0.4613,  
0.4067


 62.9489, 0.2725,  
0.2949

 20.8308, 0.4892,  
0.4119


 68.6012, 0.2659,  
0.2909

 18.8404, 0.5151,  
0.4123

 73.6593, 0.2671,  
0.3015

 17.1039, 0.5374,  
0.4075

 78.9949, 0.2682,  
0.3120

 16.4875, 0.5457,  
0.4049

 84.6124, 0.2694,  
0.3223

# Harmonies

## Analogous

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



38.8479, 0.3407, 0.3379



38.8479, 0.3396, 0.3484



38.8479, 0.3311, 0.3540

# Triad

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



38.8479, 0.3396, 0.3484



38.8479, 0.2916, 0.3321



38.8479, 0.3071, 0.3066

# Complementary

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



38.8479, 0.3396, 0.3484



37.1619, 0.2879, 0.3088

# 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.



38.8479, 0.2943, 0.3047



38.8479, 0.3396, 0.3484



38.8479, 0.2855, 0.3191

# Square

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



38.8479, 0.3396, 0.3484



38.8479, 0.3034, 0.3446



38.8479, 0.2865, 0.3091



38.8479, 0.3217, 0.3141

# Rectangle

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



38.8479, 0.3396, 0.3484



38.8479, 0.3226, 0.3539



38.8479, 0.2865, 0.3091



38.8479, 0.3025, 0.3053

# Sweetspot

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



38.8496, 0.3396, 0.3484



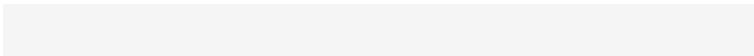
78.6913, 0.3206, 0.3349



34.6156, 0.3273, 0.3077



16.8912, 0.3217, 0.3357



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290



# Same Dimension

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



38.8496, 0.3396, 0.3484



68.1589, 0.3457, 0.3525



44.1983, 0.3367, 0.3670



9.1588, 0.3275, 0.3400



11.6390, 0.5437, 0.4065



0.4832, 0.5004, 0.4409



# Inverse Universe

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



37.1619, 0.2879, 0.3088



64.5689, 0.2828, 0.3043



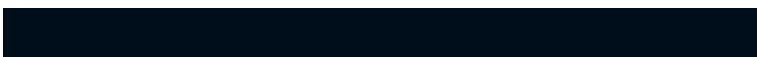
32.3295, 0.2870, 0.2879



8.9338, 0.2985, 0.3177



7.9254, 0.1795, 0.1661



0.3655, 0.1933, 0.2157



# Previews

## White Background



This preview shows how the Yxy color 38.8479, 0.3396, 0.3484 looks on a white background.

## Color Contrast Check

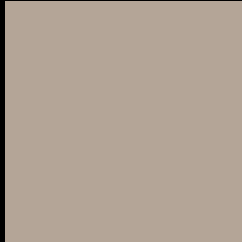
Large Text (above 18pt) WCAG AA × Fail

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 38.8479, 0.3396, 0.3484 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

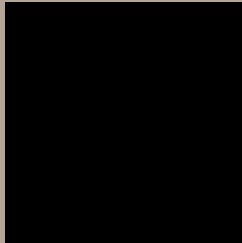
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

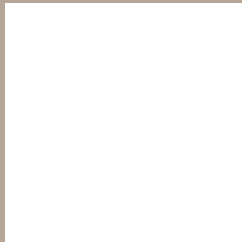
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 38.8479, 0.3396, 0.3484**

## Background



This preview shows how black text looks on a background with the Yxy color 38.8479, 0.3396, 0.3484.



This preview shows how white text looks on a background with the Yxy color 38.8479, 0.3396, 0.3484.

# 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

38.8479, 0.3396, 0.3484

### Protanopia

38.9031, 0.3325, 0.3501

### Deuteranopia

38.5756, 0.3485, 0.3412



## Tritanopia

38.9639, 0.3220, 0.3130

# Trichromacy



**Original Color**  
38.8479, 0.3396, 0.3484

**Protanomaly**  
38.7695, 0.3346, 0.3486

**Deuteranomaly**  
38.5468, 0.3453, 0.3427

**Tritanomaly**  
38.8926, 0.3281, 0.3250

# Monochromacy



**Original Color**  
38.8479, 0.3396, 0.3484

**Achromatopsia**  
39.1572, 0.3127, 0.3290

**Achromatomaly**  
39.0167, 0.3217, 0.3360

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 38.8479, 0.3396, 0.3484 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(180, 165, 151) looks like.

```
.text, #text, p{  
    color:rgb(180, 165, 151)  
}
```

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(180, 165, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 165, 151) }
```

## Border

The CSS property to change the border of an element to Yxy 38.8479, 0.3396, 0.3484 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(180, 165, 151) }
```

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

```
.border{ border-color:rgb(180, 165, 151) }
```

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

Here you see how a box with a 4 pixel rgb(180, 165, 151) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 165, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 165, 151);  
box-shadow:4px 4px 4px 4px rgb(180, 165,  
151) }
```

# Background

The CSS property to change the background color of an element to Yxy 38.8479, 0.3396, 0.3484 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 165, 151) }
```

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

```
.background{ background-color: rgb(180,  
165, 151) }
```

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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