

# Converting Colors

$Yxy(47.3575, 0.3380, 0.3972)$

Have a look what the booklet for  
Yxy(47.3575, 0.3380, 0.3972)  
contains.

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# Color

**Yxy(47.1435, 0.3379, 0.3973)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	ADBD8B
RGB	173, 189, 139
RGB Percent	68%, 74%, 55%
CMY	0.3215, 0.2588, 0.4548
CMYK	0.08, 0.00, 0.26, 0.26
HSL	79°, 27%, 64%
HSV	79°, 26%, 74%
XYZ	40.0951, 47.1435, 31.4211
YIQ	178.5160, 6.5140, -18.9420

# Conversions

## Conversions Part 2

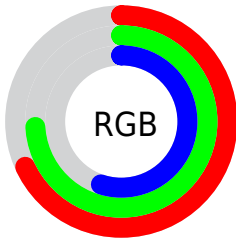
Format	Color
<a href="#">RYB</a>	<a href="#">139, 189, 155</a>
Decimal	<a href="#">11386251</a>
CIELab	<a href="#">74.28, -14.15, 23.49</a>
CIELCh	<a href="#">74, 27.426, 121.067</a>
Yxy	<a href="#">47.1435, 0.3379, 0.3973</a>
Android (android.graphics.Color)	<a href="#">4289576331 (0xFFADBBD8B)</a>
YUV	<a href="#">178.5160, -19.4814, -4.8375</a>
Hunter-Lab	<a href="#">68.6611, -15.9207, 20.9302</a>

# Details

The Yxy color  $47.1435, 0.3379, 0.3973$  is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be  $29.1157, 0.2823, 0.2574$ , and the grayscale version is  $44.9144, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $85.8131, 0.3338, 0.3840$ , and  $22.3227, 0.3433, 0.4175$  is the 20% darker color. If you saturate the color by 10%, you get  $45.9662, 0.3468, 0.4248$ , and if you desaturate by 10%, it is  $48.4517, 0.3284, 0.3704$ .

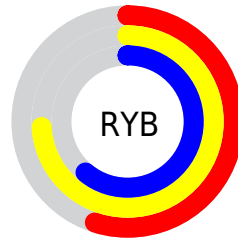
# Distribution



Red (68%)

Green (74%)

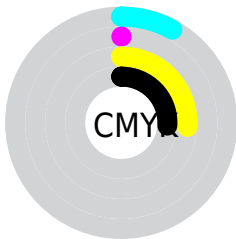
Blue (55%)



Red (55%)

Yellow (74%)

Blue (61%)

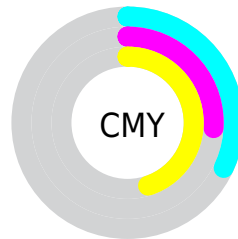


Cyan (8%)

Magenta (0%)

Yellow (26%)

Black (26%)



Cyan (32%)

Magenta (26%)


Yellow (45%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 47.1435, 0.3379, 0.3973 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 47.1435, 0.3379, 0.3973 by changing the saturation by 10% instead.





 47.1435, 0.3379,  
0.3973

 47.1435, 0.3379,  
0.3973


375.3870, 0.3259,  
0.3624

 33.1491, 0.3406,  
0.4062


 85.9278, 0.3337,  
0.3844

 22.2407, 0.3440,  
0.4178


 111.4865, 0.3321,  
0.3797

 14.0339, 0.3481,  
0.4332


 141.6687, 0.3307,  
0.3756

 8.1442, 0.3531,  
0.4550

176.8589, 0.3295,  
0.3722

 4.1874, 0.3589,  
0.4873

217.4414, 0.3285,  
0.3692

 1.7789, 0.3921,  
0.5821

263.8007, 0.3275,

 0.4740, 0.1814,

0.3667

0.8186

316.3211, 0.3267,  
0.3644

0.0000, 0.0000,  
0.0000

47.1435, 0.3379,  
0.3973

47.1435, 0.3379,  
0.3973

45.9662, 0.3468,  
0.4248

48.4517, 0.3284,  
0.3704

44.9081, 0.3548,  
0.4521

49.8895, 0.3188,  
0.3447

43.9657, 0.3613,  
0.4780

51.4636, 0.3094,  
0.3207

43.1326, 0.3658,  
0.5013

53.1784, 0.3003,  
0.2985

42.4016, 0.3680,  
0.5209

55.0382, 0.2916,  
0.2783

■ 41.7646, 0.3677,  
0.5360

■ 57.0469, 0.2835,  
0.2600

■ 41.2110, 0.3651,  
0.5462

■ 58.1118, 0.2862,  
0.2584

■ 41.0268, 0.3639,  
0.5493

■ 59.0458, 0.2906,  
0.2593

■ 60.0140, 0.2950,  
0.2602

# Harmonies

## Analogous

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



47.1435, 0.3705, 0.3913



47.1435, 0.3379, 0.3973



47.1435, 0.2999, 0.3819

# Triad

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



47.1435, 0.3379, 0.3973



47.1435, 0.2426, 0.2832



47.1435, 0.3594, 0.3083

# Complementary

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



47.1435, 0.3379, 0.3973



29.1157, 0.2823, 0.2574

# 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.



47.1435, 0.3223, 0.2834



47.1435, 0.3379, 0.3973



47.1435, 0.2561, 0.2684

# Square

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



47.1435, 0.3379, 0.3973



47.1435, 0.2462, 0.3123



47.1435, 0.2846, 0.2690



47.1435, 0.3840, 0.3388



# Rectangle

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



47.1435, 0.3379, 0.3973



47.1435, 0.2766, 0.3614



47.1435, 0.2846, 0.2690



47.1435, 0.3478, 0.2991

# Sweetspot

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



47.1456, 0.3379, 0.3973



88.9020, 0.3205, 0.3489



36.0762, 0.3631, 0.3508



19.0324, 0.3219, 0.3527



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

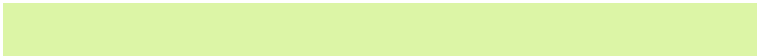


# Same Dimension

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



47.1456, 0.3379, 0.3973



83.1300, 0.3434, 0.4140



44.5729, 0.3166, 0.4020



10.9634, 0.3216, 0.3520



27.6468, 0.3646, 0.5487



1.1166, 0.3781, 0.5379



# Inverse Universe

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



29.1157, 0.2823, 0.2574



45.1656, 0.2738, 0.2388



31.8301, 0.3066, 0.2623



9.3695, 0.3032, 0.3056



3.1647, 0.1738, 0.0731

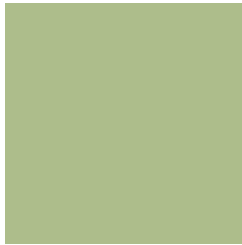


0.1600, 0.2020, 0.0886



# Previews

## White Background



This preview shows how the Yxy color 47.1435, 0.3379, 0.3973 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 47.1435, 0.3379, 0.3973 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

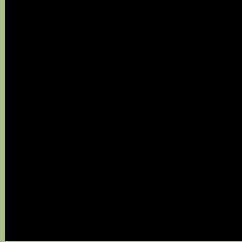
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

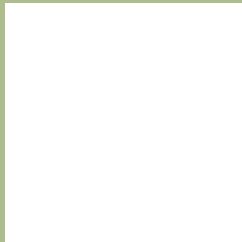
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 47.1435, 0.3379, 0.3973**

## Background



This preview shows how black text looks on a background with the Yxy color 47.1435, 0.3379, 0.3973.



This preview shows how white text looks on a background with the Yxy color 47.1435, 0.3379, 0.3973.

# 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

47.1435, 0.3379, 0.3973

### Protanopia

46.9692, 0.3633, 0.3883

### Deuteranopia

46.9091, 0.3776, 0.3694



## Tritanopia

47.2652, 0.3011, 0.3111

# Trichromacy



## Original Color

47.1435, 0.3379, 0.3973

## Protanomaly

47.1954, 0.3541, 0.3922

## Deuteranomaly

46.7077, 0.3625, 0.3790

## Tritanomaly

47.2580, 0.3146, 0.3422

# Monochromacy



## Original Color

47.1435, 0.3379, 0.3973

## Achromatopsia

45.0786, 0.3127, 0.3290

## Achromatomaly

45.8944, 0.3227, 0.3546

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  47.1435, 0.3379, 0.3973 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(173, 189, 139)` looks like.

```
.text, #text, p{  
    color:rgb(173, 189, 139)  
}
```

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(173, 189, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 189, 139) }
```

## Border

The CSS property to change the border of an element to Yxy 47.1435, 0.3379, 0.3973 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(173, 189, 139) }
```

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

```
.border{ border-color:rgb(173, 189, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 189, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 189, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 189, 139);  
box-shadow:4px 4px 4px 4px rgb(173, 189,  
139) }
```



# Background

The CSS property to change the background color of an element to Yxy 47.1435, 0.3379, 0.3973 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 189, 139) }
```

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

```
.background{ background-color: rgb(173,  
189, 139) }
```

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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