

# Converting Colors

$Yxy(47.3940, 0.3069, 0.3879)$

Have a look what the booklet for  
Yxy(47.3940, 0.3069, 0.3879)  
contains.

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# Color

**Yxy(47.2730, 0.3069, 0.3875)**

# Conversions

## Conversions Part 1

Format	Color
Hex	95C299
RGB	149, 194, 153
RGB Percent	58%, 76%, 60%
CMY	0.4155, 0.2392, 0.4001
CMYK	0.23, 0.00, 0.21, 0.24
HSL	125°, 27%, 67%
HSV	125°, 23%, 76%
XYZ	37.4402, 47.2730, 37.2816
YIQ	175.8710, -13.6590, -22.2910

# Conversions

## Conversions Part 2

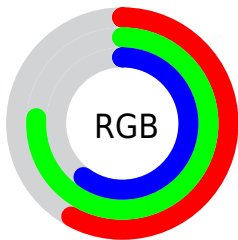
Format	Color
<b>RYB</b>	149, 190, 194
Decimal	9814681
CIELab	74.36, -22.98, 15.88
CIELCh	74, 27.930, 145.346
Yxy	47.2730, 0.3069, 0.3875
Android (android.graphics.Color)	4288004761 (0xFF95C299)
YUV	175.8710, -11.2754, -23.5659
Hunter-Lab	68.7554, -23.1211, 15.9796

# Details

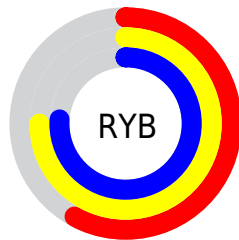
The Yxy color **47.2730, 0.3069, 0.3875** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **36.6964, 0.3190, 0.2768**, and the grayscale version is **43.4147, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.3367, 0.3086, 0.3771**, and **22.2569, 0.3040, 0.4050** is the 20% darker color. If you saturate the color by 10%, you get **45.0571, 0.3043, 0.4176**, and if you desaturate by 10%, it is **49.8836, 0.3095, 0.3602**.

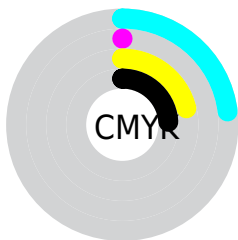
# Distribution



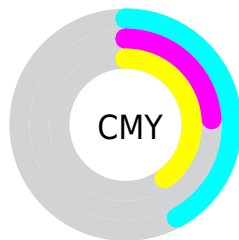
- Red (58%)
- Green (76%)
- Blue (60%)



- Red (58%)
- Yellow (75%)
- Blue (76%)



- Cyan (23%)
- Magenta (0%)
- Yellow (21%)
- Black (24%)




- Cyan (42%)
- Magenta (24%)
- Yellow (40%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 47.2730, 0.3069, 0.3875 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 47.2730, 0.3069, 0.3875 by changing the saturation by 10% instead.





 47.2730, 0.3069,  
0.3875


 47.2730, 0.3069,  
0.3875


375.9032, 0.3103,  
0.3573

 33.2515, 0.3059,  
0.3954


 86.1210, 0.3083,  
0.3763

 22.3192, 0.3044,  
0.4057


 111.7163, 0.3088,  
0.3721

 14.0916, 0.3023,  
0.4197


141.9383, 0.3092,  
0.3687

 8.1844, 0.2989,  
0.4398

177.1715, 0.3095,  
0.3657

 4.2132, 0.2929,  
0.4712

217.8001, 0.3097,  
0.3632

 1.7935, 0.2835,  
0.5322

264.2087, 0.3100,

 0.4831, 0.0000,

0.3609

1.0000

316.7816, 0.3102,  
0.3590

0.0000, 0.0000,  
0.0000

47.2730, 0.3069,  
0.3875

47.2730, 0.3069,  
0.3875

45.0571, 0.3043,  
0.4176

49.8836, 0.3095,  
0.3602

43.2110, 0.3020,  
0.4500

52.9004, 0.3120,  
0.3360

41.7164, 0.2999,  
0.4833

56.3420, 0.3143,  
0.3149

40.5508, 0.2983,  
0.5158

60.2240, 0.3165,  
0.2965

39.6893, 0.2974,  
0.5453

64.5610, 0.3185,  
0.2807

■ 39.1033, 0.2974,  
0.5695

■ 67.0622, 0.3155,  
0.2693

■ 38.7589, 0.2980,  
0.5868

■ 38.6228, 0.2984,  
0.5944

# Harmonies

## Analogous

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



47.2730, 0.3454, 0.3990



47.2730, 0.3069, 0.3875



47.2730, 0.2715, 0.3568

# Triad

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



47.2730, 0.3069, 0.3875



47.2730, 0.2513, 0.2690



47.2730, 0.3819, 0.3328

# Complementary

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



47.2730, 0.3069, 0.3875



36.6964, 0.3190, 0.2768

# 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.



47.2730, 0.3536, 0.3025



47.2730, 0.3069, 0.3875



47.2730, 0.2776, 0.2667

# Square

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



47.2730, 0.3069, 0.3875



47.2730, 0.2408, 0.2870



47.2730, 0.3148, 0.2789



47.2730, 0.3902, 0.3641



# Rectangle

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



47.2730, 0.3069, 0.3875



47.2730, 0.2540, 0.3314



47.2730, 0.3148, 0.2789



47.2730, 0.3744, 0.3223

# Sweetspot

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



47.2750, 0.3069, 0.3875



93.6036, 0.3110, 0.3452



51.7329, 0.3440, 0.3868



20.4236, 0.3108, 0.3467



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

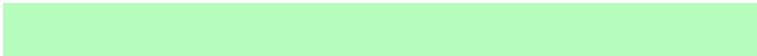


# Same Dimension

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



47.2750, 0.3069, 0.3875



83.4497, 0.3055, 0.4031



48.0811, 0.2913, 0.3550



11.2729, 0.3104, 0.3507



25.3996, 0.2981, 0.5933



1.1024, 0.2918, 0.5703



# Inverse Universe

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



36.6964, 0.3190, 0.2768



60.8078, 0.3207, 0.2647



35.7952, 0.3406, 0.3044



10.2318, 0.3151, 0.3083



9.6332, 0.3440, 0.1669



0.4208, 0.3383, 0.1637



# Previews

## White Background



This preview shows how the Yxy color 47.2730, 0.3069, 0.3875 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

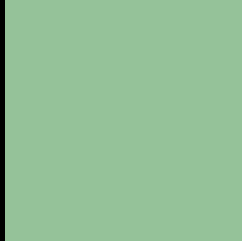
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 47.2730, 0.3069, 0.3875 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 47.2730, 0.3069, 0.3875**

## Background



This preview shows how black text looks on a background with the Yxy color 47.2730, 0.3069, 0.3875.

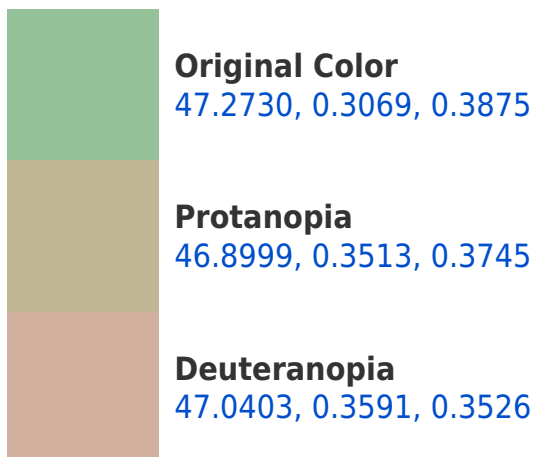


This preview shows how white text looks on a background with the Yxy color 47.2730, 0.3069, 0.3875.

# 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





## Tritanopia

47.0740, 0.2792, 0.3090

# Trichromacy



## Original Color

47.2730, 0.3069, 0.3875

## Protanomaly

46.6348, 0.3342, 0.3791

## Deuteranomaly

46.8321, 0.3381, 0.3646

## Tritanomaly

47.2562, 0.2895, 0.3371

# Monochromacy



## Original Color

47.2730, 0.3069, 0.3875

## Achromatopsia

43.4154, 0.3127, 0.3290

## Achromatomaly

44.8011, 0.3101, 0.3497

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 47.2730, 0.3069, 0.3875 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(149, 194, 153)` looks like.

```
.text, #text, p{  
    color:rgb(149, 194, 153)  
}
```

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(149, 194, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 194, 153) }
```

## Border

The CSS property to change the border of an element to Yxy 47.2730, 0.3069, 0.3875 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(149, 194, 153) }
```

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

```
.border{ border-color:rgb(149, 194, 153) }
```

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

Here you see how a box with a 4 pixel rgb(149, 194, 153) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 194, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 194, 153);  
box-shadow:4px 4px 4px 4px rgb(149, 194,  
153) }
```



# Background

The CSS property to change the background color of an element to Yxy 47.2730, 0.3069, 0.3875 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 194, 153) }
```

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

```
.background{ background-color: rgb(149,  
194, 153) }
```

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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