

# Converting Colors

$Yxy(48.9684, 0.2985, 0.3983)$

Have a look what the booklet for  
Yxy(48.9684, 0.2985, 0.3983)  
contains.

<b>Yxy(48.8939, 0.2985, 0.3983)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(48.8939, 0.2985, 0.3983)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	89C898
RGB	137, 200, 152
RGB Percent	54%, 78%, 60%
CMY	0.4626, 0.2157, 0.4038
CMYK	0.31, 0.00, 0.24, 0.22
HSL	134°, 36%, 66%
HSV	134°, 31%, 78%
XYZ	36.6428, 48.8939, 37.2198
YIQ	175.6910, -22.1400, -28.2840

# Conversions

## Conversions Part 2

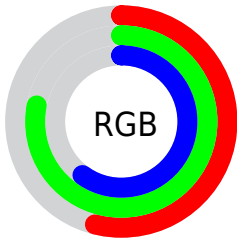
Format	Color
<a href="#">RYB</a>	<a href="#">137, 188, 200</a>
Decimal	<a href="#">9029784</a>
CIELab	<a href="#">75.39, -30.00, 17.72</a>
CIElCh	<a href="#">75, 34.841, 149.430</a>
Yxy	<a href="#">48.8939, 0.2985, 0.3983</a>
Android (android.graphics.Color)	<a href="#">4287219864 (0xFF89C898)</a>
YUV	<a href="#">175.6910, -11.6797, -33.9320</a>
Hunter-Lab	<a href="#">69.9242, -28.8268, 17.3876</a>

# Details

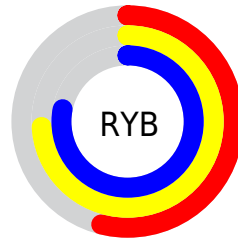
The Yxy color **48.8939, 0.2985, 0.3983** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **33.6816, 0.3311, 0.2685**, and the grayscale version is **43.3219, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.1827, 0.3018, 0.3833**, and **23.4286, 0.2936, 0.4201** is the 20% darker color. If you saturate the color by 10%, you get **46.8913, 0.2946, 0.4251**, and if you desaturate by 10%, it is **51.2780, 0.3029, 0.3737**.

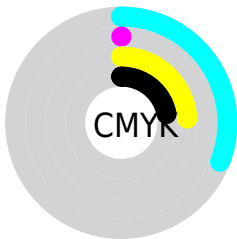
# Distribution



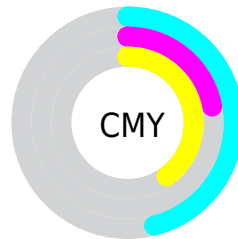
- Red (54%)
- Green (78%)
- Blue (60%)



- Red (54%)
- Yellow (74%)
- Blue (78%)



- Cyan (31%)
- Magenta (0%)
- Yellow (24%)
- Black (22%)




- Cyan (46%)
- Magenta (22%)
- Yellow (40%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.8939, 0.2985, 0.3983 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 48.8939, 0.2985, 0.3983 by changing the saturation by 10% instead.





 48.8939, 0.2985,  
0.3983


 48.8939, 0.2985,  
0.3983


382.3245, 0.3063,  
0.3624

 34.5353, 0.2963,  
0.4076


 88.5339, 0.3015,  
0.3850

 23.3052, 0.2934,  
0.4199


 114.5840, 0.3026,  
0.3801

 14.8190, 0.2892,  
0.4365

 145.3002, 0.3035,  
0.3759

 8.6924, 0.2828,  
0.4605

181.0667, 0.3042,  
0.3724

 4.5411, 0.2722,  
0.4976

222.2680, 0.3049,  
0.3694

 1.9806, 0.2547,  
0.5685

269.2885, 0.3054,

 0.5962, 0.0000,

0.3668

1.0000

322.5125, 0.3059,  
0.3645

0.0000, 0.0000,  
0.0000

48.8939, 0.2985,  
0.3983

48.8939, 0.2985,  
0.3983

46.8913, 0.2946,  
0.4251

51.2780, 0.3029,  
0.3737

45.2443, 0.2914,  
0.4534

54.0559, 0.3074,  
0.3514

43.9335, 0.2891,  
0.4824


57.2466, 0.3120,  
0.3317

42.9347, 0.2882,  
0.5106


60.8662, 0.3165,  
0.3144


42.2208, 0.2887,  
0.5365

64.9300, 0.3209,  
0.2993

 41.7595, 0.2905,  
0.5587

 69.0658, 0.3235,  
0.2859

 41.5177, 0.2927,  
0.5739

 69.7875, 0.3152,  
0.2752

# Harmonies

## Analogous

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



48.8939, 0.3459, 0.4158



48.8939, 0.2985, 0.3983



48.8939, 0.2570, 0.3569

# Triad

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



48.8939, 0.2985, 0.3983



48.8939, 0.2412, 0.2544



48.8939, 0.4014, 0.3380

# Complementary

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



48.8939, 0.2985, 0.3983



33.6816, 0.3311, 0.2685

# 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.



48.8939, 0.3690, 0.3011



48.8939, 0.2985, 0.3983



48.8939, 0.2750, 0.2547

# Square

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



48.8939, 0.2985, 0.3983



48.8939, 0.2259, 0.2729



48.8939, 0.3216, 0.2715



48.8939, 0.4074, 0.3756



# Rectangle

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



48.8939, 0.2985, 0.3983



48.8939, 0.2377, 0.3248



48.8939, 0.3216, 0.2715



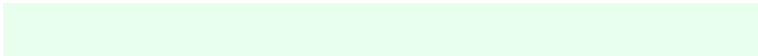
48.8939, 0.3931, 0.3253

# Sweetspot

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



48.8959, 0.2985, 0.3983



94.8287, 0.3085, 0.3466



53.4667, 0.3472, 0.4102



20.1305, 0.3078, 0.3496



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

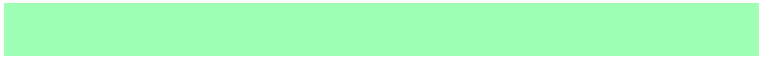


# Same Dimension

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



48.8959, 0.2985, 0.3983



82.1424, 0.2957, 0.4170



50.0558, 0.2783, 0.3523



11.9286, 0.3084, 0.3471



26.4110, 0.2921, 0.5717



1.2623, 0.2805, 0.5297



# Inverse Universe

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



33.6816, 0.3311, 0.2685



51.5701, 0.3364, 0.2550



32.5056, 0.3646, 0.3072



10.7718, 0.3173, 0.3116



9.2717, 0.3913, 0.1929



0.4498, 0.3737, 0.1832



# Previews

## White Background



This preview shows how the Yxy color 48.8939, 0.2985, 0.3983 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

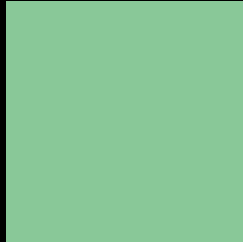
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 48.8939, 0.2985, 0.3983 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 48.8939, 0.2985, 0.3983**

## Background



This preview shows how black text looks on a background with the Yxy color 48.8939, 0.2985, 0.3983.

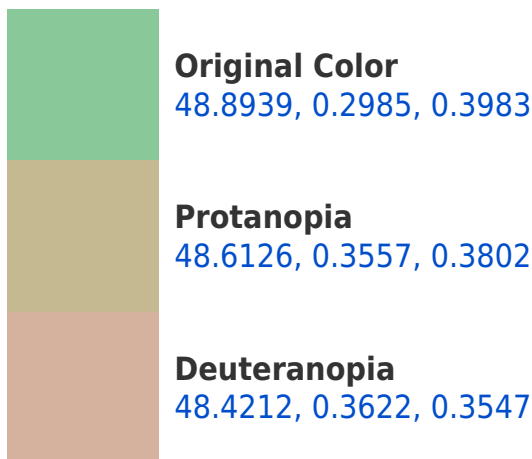


This preview shows how white text looks on a background with the Yxy color 48.8939, 0.2985, 0.3983.

# 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

48.9899, 0.2691, 0.3090

# Trichromacy



**Original Color**

48.8939, 0.2985, 0.3983

**Protanomaly**

48.0790, 0.3325, 0.3858

**Deuteranomaly**

47.7987, 0.3365, 0.3699

**Tritanomaly**

49.0400, 0.2795, 0.3399

# Monochromacy



**Original Color**

48.8939, 0.2985, 0.3983

**Achromatopsia**

43.4154, 0.3127, 0.3290

**Achromatomaly**

45.1693, 0.3074, 0.3540

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.8939, 0.2985, 0.3983 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(137, 200, 152)` looks like.

```
.text, #text, p{  
    color:rgb(137, 200, 152)  
}
```

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(137, 200, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 200, 152) }
```

## Border

The CSS property to change the border of an element to Yxy 48.8939, 0.2985, 0.3983 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(137, 200, 152) }
```

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

```
.border{ border-color:rgb(137, 200, 152) }
```

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

Here you see how a box with a 4 pixel rgb(137, 200, 152) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 200, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 200, 152);  
box-shadow:4px 4px 4px 4px rgb(137, 200,  
152) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.8939, 0.2985, 0.3983 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 200, 152) }
```

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

```
.background{ background-color: rgb(137,  
200, 152) }
```

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