

# Converting Colors

$Yxy(49.2319, 0.2908, 0.3881)$

Have a look what the booklet for  
Yxy(49.2319, 0.2908, 0.3881)  
contains.

<b>Yxy(49.2979, 0.2905, 0.3881)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(49.2979, 0.2905, 0.3881)**

# Conversions

## Conversions Part 1

Format	Color
Hex	85C9A0
RGB	133, 201, 160
RGB Percent	52%, 79%, 63%
CMY	0.4786, 0.2117, 0.3726
CMYK	0.34, 0.00, 0.20, 0.21
HSL	144°, 39%, 65%
HSV	144°, 34%, 79%
XYZ	36.9004, 49.2979, 40.8254
YIQ	175.9940, -27.3670, -27.1670

# Conversions

## Conversions Part 2

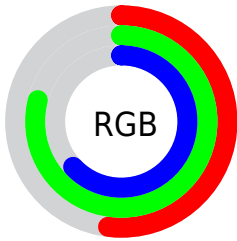
Format	Color
<a href="#">RYB</a>	<a href="#">133, 182, 201</a>
Decimal	<a href="#">8767904</a>
CIELab	<a href="#">75.64, -30.23, 13.78</a>
CIElCh	<a href="#">76, 33.220, 155.501</a>
Yxy	<a href="#">49.2979, 0.2905, 0.3881</a>
Android (android.graphics.Color)	<a href="#">4286957984</a> ( <a href="#">0xFF85C9A0</a> )
YUV	<a href="#">175.9940, -7.8850, -37.7057</a>
Hunter-Lab	<a href="#">70.2125, -29.0606, 14.6742</a>

# Details

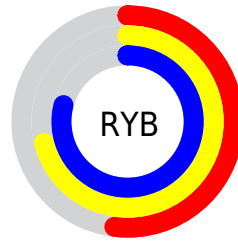
The Yxy color **49.2979, 0.2905, 0.3881** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **32.2408, 0.3443, 0.2768**, and the grayscale version is **43.4626, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.1177, 0.2947, 0.3733**, and **23.6556, 0.2836, 0.4079** is the 20% darker color. If you saturate the color by 10%, you get **47.4143, 0.2851, 0.4094**, and if you desaturate by 10%, it is **51.5400, 0.2966, 0.3684**.

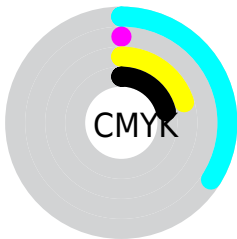
# Distribution



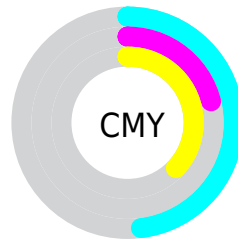
- Red (52%)
- Green (79%)
- Blue (63%)



- Red (52%)
- Yellow (71%)
- Blue (79%)



- Cyan (34%)
- Magenta (0%)
- Yellow (20%)
- Black (21%)




- Cyan (48%)
- Magenta (21%)
- Yellow (37%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 49.2979, 0.2905, 0.3881 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 49.2979, 0.2905, 0.3881 by changing the saturation by 10% instead.





 49.2979, 0.2905,  
0.3881

 49.2979, 0.2905,  
0.3881


383.9139, 0.3021,  
0.3577

 34.8559, 0.2875,  
0.3960


 89.1337, 0.2948,  
0.3768

 23.5519, 0.2835,  
0.4063


 115.2963, 0.2964,  
0.3727

 15.0015, 0.2780,  
0.4203


 146.1345, 0.2977,  
0.3692

 8.8205, 0.2701,  
0.4403

182.0328, 0.2989,  
0.3662

 4.6243, 0.2577,  
0.4714

223.3754, 0.2998,  
0.3636

 2.0285, 0.2355,  
0.5256

270.5469, 0.3007,

 0.6240, 0.0000,

0.3614

1.0000

323.9316, 0.3014,  
0.3594

0.0000, 0.0000,  
0.0000

49.2979, 0.2905,  
0.3881

49.2979, 0.2905,  
0.3881

47.4143, 0.2851,  
0.4094

51.5400, 0.2966,  
0.3684

45.8638, 0.2808,  
0.4320

54.1521, 0.3033,  
0.3506

44.6278, 0.2779,  
0.4555


57.1525, 0.3101,  
0.3347

43.6825, 0.2766,  
0.4789


60.5568, 0.3169,  
0.3205


43.0013, 0.2773,  
0.5016

64.3796, 0.3237,  
0.3080

 42.5518, 0.2798,  
0.5226

 68.6346, 0.3302,  
0.2971

 42.3549, 0.2818,  
0.5345

 69.6191, 0.3224,  
0.2856

 70.2580, 0.3152,  
0.2762

# Harmonies

## Analogous

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



49.2979, 0.3355, 0.4102



49.2979, 0.2905, 0.3881



49.2979, 0.2533, 0.3464

# Triad

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



49.2979, 0.2905, 0.3881



49.2979, 0.2497, 0.2565



49.2979, 0.4003, 0.3453

# Complementary

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



49.2979, 0.2905, 0.3881



32.2408, 0.3443, 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.



49.2979, 0.3741, 0.3092



49.2979, 0.2905, 0.3881



49.2979, 0.2852, 0.2600

# Square

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



49.2979, 0.2905, 0.3881



49.2979, 0.2312, 0.2706



49.2979, 0.3308, 0.2789



49.2979, 0.4007, 0.3803



# Rectangle

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



49.2979, 0.2905, 0.3881



49.2979, 0.2372, 0.3162



49.2979, 0.3308, 0.2789



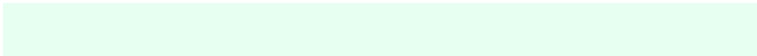
49.2979, 0.3942, 0.3330

# Sweetspot

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



49.2999, 0.2905, 0.3881



94.5296, 0.3058, 0.3445



52.5762, 0.3411, 0.4192



20.0807, 0.3048, 0.3468



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

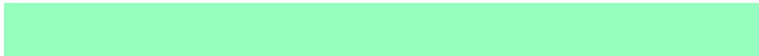


# Same Dimension

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



49.2999, 0.2905, 0.3881



81.8516, 0.2862, 0.4044



50.6155, 0.2698, 0.3398



11.9565, 0.3063, 0.3433



26.6451, 0.2811, 0.5318



1.2759, 0.2692, 0.4890



# Inverse Universe

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



32.2408, 0.3443, 0.2768



48.0447, 0.3542, 0.2647



31.1057, 0.3820, 0.3188



10.7425, 0.3197, 0.3152



8.6966, 0.4514, 0.2260



0.4258, 0.4172, 0.2072



# Previews

## White Background



This preview shows how the Yxy color 49.2979, 0.2905, 0.3881 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 49.2979, 0.2905, 0.3881 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

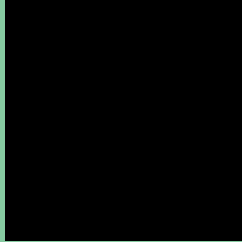
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 49.2979, 0.2905, 0.3881**

## **Background**



This preview shows how black text looks on a background with the Yxy color 49.2979, 0.2905, 0.3881.



This preview shows how white text looks on a background with the Yxy color 49.2979, 0.2905, 0.3881.

# 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

49.2979, 0.2905, 0.3881

### Protanopia

48.7007, 0.3490, 0.3713

### Deuteranopia

48.8057, 0.3531, 0.3462



## Tritanopia

49.0764, 0.2648, 0.3076

# Trichromacy



**Original Color**

49.2979, 0.2905, 0.3881

**Protanomaly**

48.5124, 0.3252, 0.3776

**Deuteranomaly**

48.2523, 0.3281, 0.3606

**Tritanomaly**

49.2272, 0.2737, 0.3358

# Monochromacy



**Original Color**

49.2979, 0.2905, 0.3881

**Achromatopsia**

43.4154, 0.3127, 0.3290

**Achromatomaly**

45.0738, 0.3035, 0.3498

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 49.2979, 0.2905, 0.3881 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(133, 201, 160)` looks like.

```
.text, #text, p{  
    color:rgb(133, 201, 160)  
}
```

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(133, 201, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 201, 160) }
```

## Border

The CSS property to change the border of an element to Yxy 49.2979, 0.2905, 0.3881 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(133, 201, 160) }
```

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

```
.border{ border-color:rgb(133, 201, 160) }
```

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

Here you see how a box with a 4 pixel rgb(133, 201, 160) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 201, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 201, 160);  
box-shadow:4px 4px 4px 4px rgb(133, 201,  
160) }
```



# Background

The CSS property to change the background color of an element to Yxy 49.2979, 0.2905, 0.3881 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 201, 160) }
```

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

```
.background{ background-color: rgb(133,  
201, 160) }
```

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