

# Converting Colors

$Y_{xy}(49.2750, 0.2759, 0.3237)$

Have a look what the booklet for  
Yxy(49.2750, 0.2759, 0.3237)  
contains.

<b>Yxy(49.4970, 0.2763, 0.3249)</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(49.4970, 0.2763, 0.3249)**

# Conversions

## Conversions Part 1

Format	Color
Hex	95C3C6
RGB	149, 195, 198
RGB Percent	58%, 76%, 78%
CMY	0.4159, 0.2352, 0.2236
CMYK	0.25, 0.02, 0.00, 0.22
HSL	184°, 30%, 68%
HSV	184°, 25%, 78%
XYZ	42.0930, 49.4970, 60.7553
YIQ	181.5880, -28.3790, -8.8190

# Conversions

## Conversions Part 2

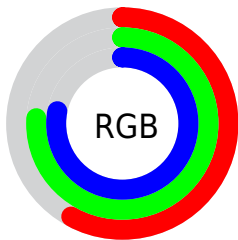
<b>Format</b>	<b>Color</b>
<b>RYB</b>	149, 173, 198
Decimal	9814982
CIELab	75.76, -14.40, -6.45
CIELCh	76, 15.774, 204.127
Yxy	49.4970, 0.2763, 0.3249
Android (android.graphics.Color)	4288005062 (0xFF95C3C6)
YUV	181.5880, 8.0911, -28.5797
Hunter-Lab	70.3541, -16.3227, -1.9529

# Details

The Yxy color **49.4970, 0.2763, 0.3249** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **36.6003, 0.3633, 0.3331**, and the grayscale version is **46.5047, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.6782, 0.2825, 0.3258**, and **23.6048, 0.2669, 0.3233** is the 20% darker color. If you saturate the color by 10%, you get **47.2576, 0.2633, 0.3230**, and if you desaturate by 10%, it is **52.0612, 0.2904, 0.3267**.

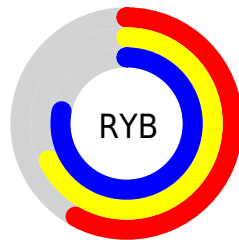
# Distribution



Red (58%)

Green (76%)

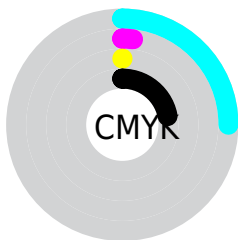
Blue (78%)



Red (58%)

Yellow (68%)

Blue (78%)

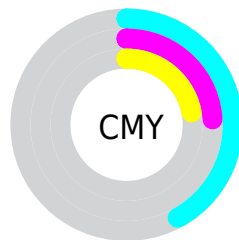


Cyan (25%)

Magenta (2%)

Yellow (0%)

Black (22%)



Cyan (42%)

Magenta (24%)

Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 49.4970, 0.2763, 0.3249 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 49.4970, 0.2763, 0.3249 by changing the saturation by 10% instead.





 49.4970, 0.2763,  
0.3249

 49.4970, 0.2763,  
0.3249


384.6956, 0.2941,  
0.3272

 35.0139, 0.2720,  
0.3243


 89.4292, 0.2827,  
0.3258

 23.6736, 0.2664,  
0.3234


 115.6470, 0.2851,  
0.3261

 15.0917, 0.2592,  
0.3222


146.5452, 0.2872,  
0.3263

 8.8837, 0.2494,  
0.3205

182.5082, 0.2890,  
0.3266

 4.6654, 0.2351,  
0.3176

223.9203, 0.2905,  
0.3268

 2.0523, 0.2127,  
0.3123

271.1660, 0.2919,

 0.6376, 0.1243,

0.3269

0.3112

324.6297, 0.2931,  
0.3271

0.0000, 0.0000,  
0.0000

49.4970, 0.2763,  
0.3249

49.4970, 0.2763,  
0.3249

47.2576, 0.2633,  
0.3230

52.0612, 0.2904,  
0.3267

45.3210, 0.2517,  
0.3211

54.9592, 0.3054,  
0.3283

43.6719, 0.2417,  
0.3191

58.2069, 0.3209,  
0.3298

42.2909, 0.2336,  
0.3170

61.8173, 0.3366,  
0.3311

41.1565, 0.2274,  
0.3150

65.8030, 0.3523,  
0.3323

■ 40.2439, 0.2230,  
0.3129

■ 67.6804, 0.3578,  
0.3335

■ 39.5225, 0.2204,  
0.3109

■ 68.2465, 0.3575,  
0.3347

■ 39.1910, 0.2194,  
0.3099

■ 68.8170, 0.3572,  
0.3360

■ 69.3919, 0.3570,  
0.3372

# Harmonies

## Analogous

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



49.4970, 0.2905, 0.3451



49.4970, 0.2763, 0.3249



49.4970, 0.2716, 0.3067

# Triad

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



49.4970, 0.2763, 0.3249



49.4970, 0.3134, 0.2997



49.4970, 0.3488, 0.3626

# Complementary

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



49.4970, 0.2763, 0.3249



36.6003, 0.3633, 0.3331

# 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.



49.4970, 0.3556, 0.3491



49.4970, 0.2763, 0.3249



49.4970, 0.3348, 0.3134

# Square

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



49.4970, 0.2763, 0.3249



49.4970, 0.2924, 0.2931



49.4970, 0.3505, 0.3312



49.4970, 0.3323, 0.3673



# Rectangle

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



49.4970, 0.2763, 0.3249



49.4970, 0.2743, 0.2983



49.4970, 0.3505, 0.3312



49.4970, 0.3524, 0.3589

# Sweetspot

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



49.4990, 0.2763, 0.3249



96.0820, 0.3018, 0.3279



49.0151, 0.3078, 0.3950



20.4963, 0.3009, 0.3278



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.



49.4990, 0.2763, 0.3249



85.3416, 0.2688, 0.3239



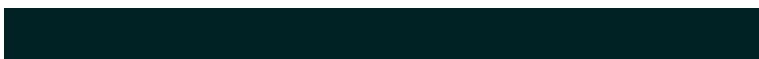
39.5911, 0.2734, 0.2915



11.9532, 0.2984, 0.3275



25.5352, 0.2195, 0.3102



1.2433, 0.2207, 0.3143



# Inverse Universe

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



37.4210, 0.3183, 0.2715



60.2251, 0.3197, 0.2582



45.1909, 0.3560, 0.3638



10.8051, 0.3147, 0.3076



10.1178, 0.3366, 0.1628

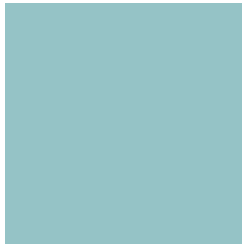


0.4825, 0.3330, 0.1608



# Previews

## White Background



This preview shows how the Yxy color 49.4970, 0.2763, 0.3249 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

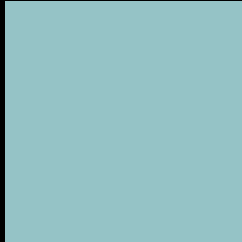
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 49.4970, 0.2763, 0.3249 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

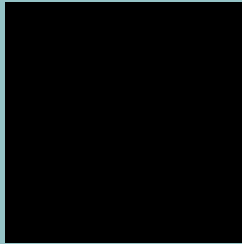
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

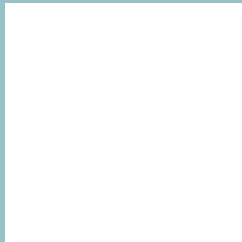
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 49.4970, 0.2763, 0.3249**

## Background



This preview shows how black text looks on a background with the Yxy color 49.4970, 0.2763, 0.3249.

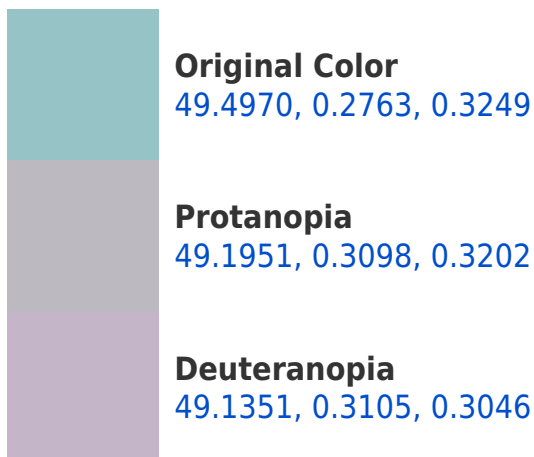


This preview shows how white text looks on a background with the Yxy color 49.4970, 0.2763, 0.3249.

# 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

49.3227, 0.2705, 0.3078

# Trichromacy



## Original Color

49.4970, 0.2763, 0.3249

## Protanomaly

49.2889, 0.2970, 0.3225

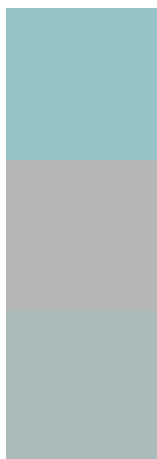
## Deuteranomaly

48.9912, 0.2973, 0.3112

## Tritanomaly

49.4754, 0.2725, 0.3143

# Monochromacy



## Original Color

49.4970, 0.2763, 0.3249

## Achromatopsia

46.7784, 0.3127, 0.3290

## Achromatomaly

47.7175, 0.2982, 0.3276

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 49.4970, 0.2763, 0.3249 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, 195, 198)` looks like.

```
.text, #text, p{  
    color:rgb(149, 195, 198)  
}
```

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, 195, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 195, 198) }
```

## Border

The CSS property to change the border of an element to Yxy 49.4970, 0.2763, 0.3249 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, 195, 198) }
```

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

```
.border{ border-color:rgb(149, 195, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 195, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 195, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 195, 198);  
box-shadow:4px 4px 4px 4px rgb(149, 195,  
198) }
```



# Background

The CSS property to change the background color of an element to  $\text{Yxy } 49.4970, 0.2763, 0.3249$  is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 195, 198) }
```

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

```
.background{ background-color: rgb(149,  
195, 198) }
```

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