

# Converting Colors

$Y_{xy}(49.4896, 0.2870, 0.3289)$

Have a look what the booklet for  
Yxy(49.4896, 0.2870, 0.3289)  
contains.

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# Color

**Yxy(49.4638, 0.2872, 0.3289)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A0C1C1
RGB	160, 193, 193
RGB Percent	63%, 76%, 76%
CMY	0.3726, 0.2431, 0.2430
CMYK	0.17, 0.00, 0.00, 0.24
HSL	180°, 21%, 69%
HSV	180°, 17%, 76%
XYZ	43.1925, 49.4638, 57.7353
YIQ	183.1330, -19.6680, -6.9960

# Conversions

## Conversions Part 2

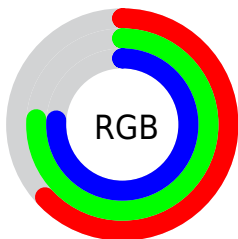
<b>Format</b>	<b>Color</b>
<b>RYB</b>	160, 177, 193
Decimal	10535361
CIELab	75.74, -11.02, -3.71
CIELCh	76, 11.625, 198.602
Yxy	49.4638, 0.2872, 0.3289
Android (android.graphics.Color)	4288725441 (0xFFA0C1C1)
YUV	183.1330, 4.8644, -20.2876
Hunter-Lab	70.3305, -13.4552, 0.5593

# Details

The Yxy color **49.4638, 0.2872, 0.3289** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **39.0209, 0.3451, 0.3291**, and the grayscale version is **47.4119, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.0380, 0.2919, 0.3289**, and **23.5468, 0.2799, 0.3271** is the 20% darker color. If you saturate the color by 10%, you get **47.6244, 0.2736, 0.3288**, and if you desaturate by 10%, it is **51.6162, 0.3018, 0.3290**.

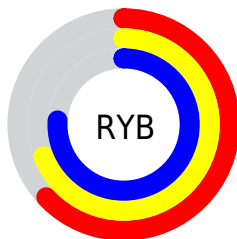
# Distribution



Red (63%)

Green (76%)

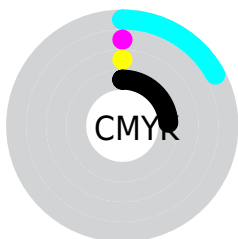
Blue (76%)



Red (63%)

Yellow (69%)

Blue (76%)

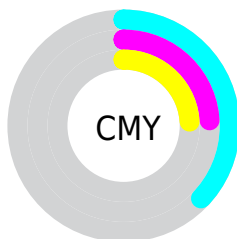


Cyan (17%)

Magenta (0%)

Yellow (0%)

Black (24%)



Cyan (37%)

Magenta (24%)


Yellow (24%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 49.4638, 0.2872, 0.3289 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 49.4638, 0.2872, 0.3289 by changing the saturation by 10% instead.





 49.4638, 0.2872,  
0.3289


 49.4638, 0.2872,  
0.3289

384.5654, 0.2998,  
0.3291

 34.9875, 0.2841,  
0.3288


 89.3799, 0.2917,  
0.3290

 23.6533, 0.2802,  
0.3287


 115.5885, 0.2934,  
0.3290

 15.0766, 0.2751,  
0.3285


146.4768, 0.2949,  
0.3290

 8.8732, 0.2680,  
0.3282

182.4290, 0.2961,  
0.3290

 4.6586, 0.2576,  
0.3276

223.8295, 0.2972,  
0.3291

 2.0483, 0.2411,  
0.3263

271.0628, 0.2982,

 0.6353, 0.1743,

0.3291

0.3307

324.5133, 0.2990,  
0.3291

0.0000, 0.0000,  
0.0000

49.4638, 0.2872,  
0.3289

49.4638, 0.2872,  
0.3289

47.6244, 0.2736,  
0.3288

51.6162, 0.3018,  
0.3290

46.0775, 0.2614,  
0.3288

54.0886, 0.3172,  
0.3290

44.8100, 0.2508,  
0.3288

56.8957, 0.3331,  
0.3291

43.8051, 0.2419,  
0.3287

60.0493, 0.3491,  
0.3291

43.0443, 0.2349,  
0.3287

63.2754, 0.3639,  
0.3292

■ 42.5068, 0.2299,  
0.3286

■ 63.2798, 0.3639,  
0.3292

■ 42.1681, 0.2266,  
0.3286

■ 63.2841, 0.3639,  
0.3292

■ 41.9947, 0.2250,  
0.3286

■ 63.2885, 0.3639,  
0.3292

■ 41.9575, 0.2246,  
0.3286

■ 63.2928, 0.3639,  
0.3292

# Harmonies

## Analogous

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



49.4638, 0.2989, 0.3433



49.4638, 0.2872, 0.3289



49.4638, 0.2822, 0.3149

# Triad

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



49.4638, 0.2872, 0.3289



49.4638, 0.3103, 0.3058



49.4638, 0.3409, 0.3525

# Complementary

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



49.4638, 0.2872, 0.3289



39.0209, 0.3451, 0.3291

# 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.



49.4638, 0.3442, 0.3418



49.4638, 0.2872, 0.3289



49.4638, 0.3263, 0.3153

# Square

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



49.4638, 0.2872, 0.3289



49.4638, 0.2953, 0.3021



49.4638, 0.3388, 0.3283



49.4638, 0.3299, 0.3570



# Rectangle

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



49.4638, 0.2872, 0.3289



49.4638, 0.2833, 0.3079



49.4638, 0.3388, 0.3283



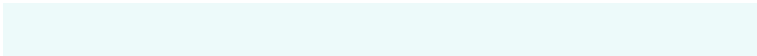
49.4638, 0.3429, 0.3495

# Sweetspot

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



49.4658, 0.2872, 0.3289



93.2753, 0.3049, 0.3290



48.1597, 0.3106, 0.3747



19.9464, 0.3038, 0.3290



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

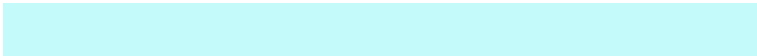


# Same Dimension

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



49.4658, 0.2872, 0.3289



87.1155, 0.2813, 0.3289



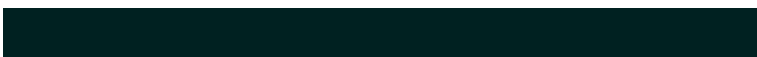
42.5724, 0.2861, 0.3065



11.4276, 0.2985, 0.3289



27.8999, 0.2246, 0.3286



1.2058, 0.2246, 0.3286



# Inverse Universe

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



40.3280, 0.3147, 0.2872



67.3237, 0.3152, 0.2767



45.1269, 0.3415, 0.3505



10.2475, 0.3138, 0.3063



10.0987, 0.3210, 0.1542

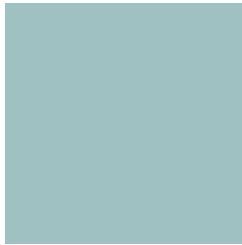


0.4364, 0.3210, 0.1542



# Previews

## White Background



This preview shows how the Yxy color 49.4638, 0.2872, 0.3289 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

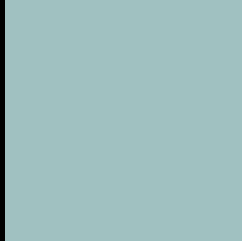
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 49.4638, 0.2872, 0.3289 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

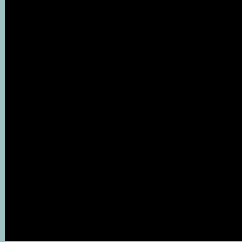
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

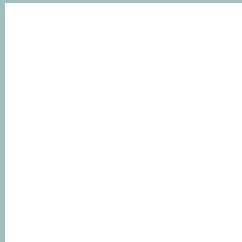
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 49.4638, 0.2872, 0.3289**

## Background



This preview shows how black text looks on a background with the Yxy color 49.4638, 0.2872, 0.3289.



This preview shows how white text looks on a background with the Yxy color 49.4638, 0.2872, 0.3289.

# 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

49.4638, 0.2872, 0.3289

### Protanopia

49.1476, 0.3137, 0.3252

### Deuteranopia

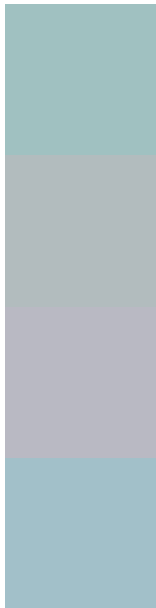
49.3126, 0.3170, 0.3107



## Tritanopia

49.5044, 0.2805, 0.3095

# Trichromacy



## Original Color

49.4638, 0.2872, 0.3289

## Protanomaly

49.1491, 0.3031, 0.3264

## Deuteranomaly

48.9523, 0.3051, 0.3163

## Tritanomaly

49.5977, 0.2832, 0.3171

# Monochromacy



## Original Color

49.4638, 0.2872, 0.3289

## Achromatopsia

47.3531, 0.3127, 0.3290

## Achromatomaly

48.2425, 0.3029, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 49.4638, 0.2872, 0.3289 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(160, 193, 193)` looks like.

```
.text, #text, p{  
    color:rgb(160, 193, 193)  
}
```

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(160, 193, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 193, 193) }
```

## Border

The CSS property to change the border of an element to Yxy 49.4638, 0.2872, 0.3289 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(160, 193, 193) }
```

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

```
.border{ border-color:rgb(160, 193, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 193, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(160, 193, 193); -webkit-box-shadow:4px 4px 4px 4px rgb(160, 193, 193); box-shadow:4px 4px 4px 4px rgb(160, 193, 193) }
```



# Background

The CSS property to change the background color of an element to Yxy 49.4638, 0.2872, 0.3289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 193, 193) }
```

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

```
.background{ background-color: rgb(160,  
193, 193) }
```

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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