

# Converting Colors

$Yxy(47.6911, 0.2464, 0.3368)$

Have a look what the booklet for  
Yxy(47.6911, 0.2464, 0.3368)  
contains.

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# Color

**Yxy(47.8871, 0.2464, 0.3375)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5AC9C3
RGB	90, 201, 195
RGB Percent	35%, 79%, 76%
CMY	0.6467, 0.2118, 0.2352
CMYK	0.55, 0.00, 0.03, 0.21
HSL	177°, 51%, 57%
HSV	177°, 55%, 79%
XYZ	34.9611, 47.8871, 59.0395
YIQ	167.1270, -64.2300, -25.3980

# Conversions

## Conversions Part 2

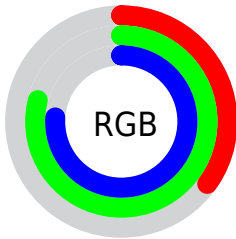
<b>Format</b>	<b>Color</b>
<b>RYB</b>	90, 147, 201
Decimal	5949891
CIELab	74.75, -32.93, -6.62
CIELCh	75, 33.588, 191.362
Yxy	47.8871, 0.2464, 0.3375
Android (android.graphics.Color)	4284139971 (0xFF5AC9C3)
YUV	167.1270, 13.7414, -67.6404
Hunter-Lab	69.2005, -30.9200, -2.1438

# Details

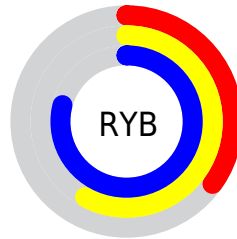
The Yxy color **47.8871, 0.2464, 0.3375** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **20.5901, 0.4671, 0.3220**, and the grayscale version is **38.6763, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.8746, 0.2575, 0.3333**, and **22.5389, 0.2286, 0.3390** is the 20% darker color. If you saturate the color by 10%, you get **46.9637, 0.2394, 0.3393**, and if you desaturate by 10%, it is **49.0871, 0.2552, 0.3358**.

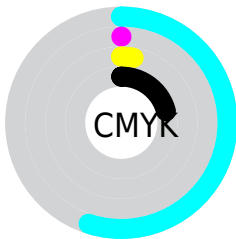
# Distribution



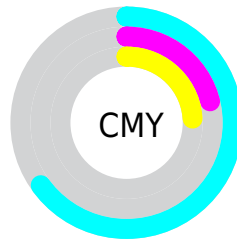
- Red (35%)
- Green (79%)
- Blue (76%)



- Red (35%)
- Yellow (58%)
- Blue (79%)



- Cyan (55%)
- Magenta (0%)
- Yellow (3%)
- Black (21%)




- Cyan (65%)
- Magenta (21%)
- Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 47.8871, 0.2464, 0.3375 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 47.8871, 0.2464, 0.3375 by changing the saturation by 10% instead.




 47.8871, 0.2464,  
0.3375

 47.8871, 0.2464,  
0.3375


378.3444, 0.2788,  
0.3339

 33.7375, 0.2386,  
0.3382


 87.0363, 0.2580,  
0.3364


 22.6920, 0.2287,  
0.3389


 112.8046, 0.2624,  
0.3359

 14.3663, 0.2158,  
0.3397


 143.2147, 0.2662,  
0.3355

 8.3758, 0.1983,  
0.3404

 178.6509, 0.2694,  
0.3351

 4.3364, 0.1737,  
0.3406

219.4975, 0.2722,  
0.3348

 1.8634, 0.1361,  
0.3389

266.1391, 0.2747,

 0.5263, 0.0000,

0.3344

318.9599, 0.2769,  
0.3342

0.3366

0.0000, 0.0000,  
0.0000

47.8871, 0.2464,  
0.3375

47.8871, 0.2464,  
0.3375

46.9637, 0.2394,  
0.3393

49.0871, 0.2552,  
0.3358

46.2888, 0.2343,  
0.3411

50.5782, 0.2658,  
0.3341

45.8382, 0.2311,  
0.3429

52.3803, 0.2778,  
0.3325

45.5801, 0.2297,  
0.3446

54.5102, 0.2910,  
0.3310

45.4946, 0.2293,  
0.3455

56.9832, 0.3051,  
0.3297

■ 59.8139, 0.3199,  
0.3284

■ 63.0159, 0.3350,  
0.3273

■ 66.6022, 0.3503,  
0.3263

■ 67.4261, 0.3527,  
0.3252

# Harmonies

## Analogous

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



47.8871, 0.2816, 0.3822



47.8871, 0.2464, 0.3375



47.8871, 0.2290, 0.2942

# Triad

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



47.8871, 0.2464, 0.3375



47.8871, 0.2932, 0.2614



47.8871, 0.3994, 0.3874

# Complementary

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



47.8871, 0.2464, 0.3375



20.5901, 0.4671, 0.3220

# 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.



47.8871, 0.4044, 0.3528



47.8871, 0.2464, 0.3375



47.8871, 0.3404, 0.2832

# Square

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



47.8871, 0.2464, 0.3375



47.8871, 0.2543, 0.2544



47.8871, 0.3824, 0.3157



47.8871, 0.3703, 0.4100



# Rectangle

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



47.8871, 0.2464, 0.3375



47.8871, 0.2286, 0.2728



47.8871, 0.3824, 0.3157



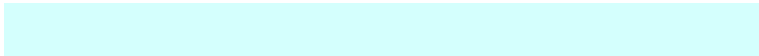
47.8871, 0.4041, 0.3767

# Sweetspot

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



47.8889, 0.2464, 0.3375



92.5356, 0.2882, 0.3313



45.0777, 0.3089, 0.5024



19.6426, 0.2854, 0.3316



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.



47.8889, 0.2464, 0.3375



80.1815, 0.2384, 0.3396



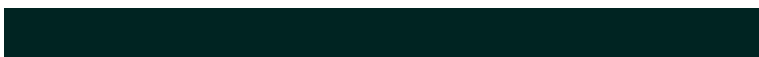
29.1564, 0.2278, 0.2540



12.0573, 0.2991, 0.3302



28.6121, 0.2292, 0.3452



1.3579, 0.2282, 0.3415



# Inverse Universe

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



20.5901, 0.4671, 0.3220



28.8682, 0.5208, 0.3218



31.3759, 0.4363, 0.3906



10.6460, 0.3281, 0.3278



7.8269, 0.6335, 0.3264



0.3739, 0.6112, 0.3140



# Previews

## White Background



This preview shows how the Yxy color 47.8871, 0.2464, 0.3375 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

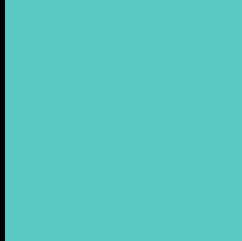
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 47.8871, 0.2464, 0.3375 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

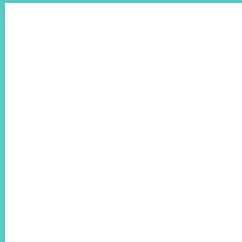
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 47.8871, 0.2464, 0.3375**

## **Background**



This preview shows how black text looks on a background with the Yxy color 47.8871, 0.2464, 0.3375.

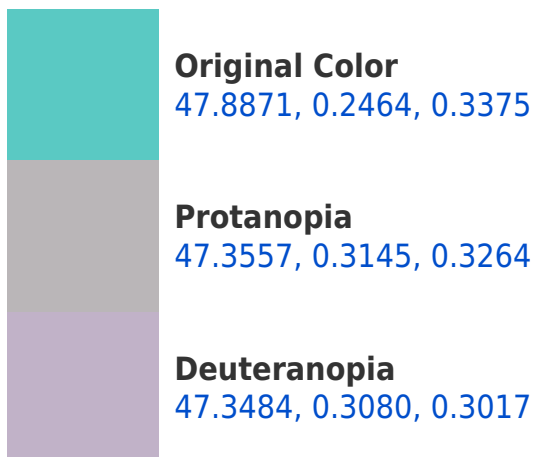


This preview shows how white text looks on a background with the Yxy color 47.8871, 0.2464, 0.3375.

# 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

47.7846, 0.2390, 0.3065

# Trichromacy



## Original Color

47.8871, 0.2464, 0.3375



## Protanomaly

46.6053, 0.2837, 0.3303



## Deuteranomaly

46.2629, 0.2803, 0.3128



## Tritanomaly

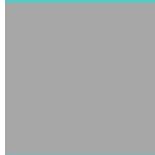
47.7315, 0.2414, 0.3174

# Monochromacy



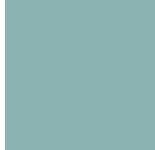
## Original Color

47.8871, 0.2464, 0.3375



## Achromatopsia

38.6429, 0.3127, 0.3290



## Achromatomaly

40.9035, 0.2815, 0.3318

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 47.8871, 0.2464, 0.3375 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(90, 201, 195)` looks like.

```
.text, #text, p{  
    color:rgb(90, 201, 195)  
}
```

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(90, 201, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 201, 195) }
```

## Border

The CSS property to change the border of an element to Yxy 47.8871, 0.2464, 0.3375 is called "border". The border property can be set on classes, ids or directly on the HTML element.

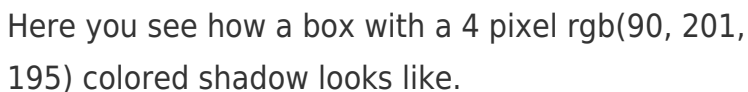
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(90, 201, 195) }
```

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

```
.border{ border-color:rgb(90, 201, 195) }
```

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



Here you see how a box with a 4 pixel `rgb(90, 201, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 201, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 201, 195);  
box-shadow:4px 4px 4px 4px rgb(90, 201,  
195) }
```



# Background

The CSS property to change the background color of an element to Yxy 47.8871, 0.2464, 0.3375 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 201, 195) }
```

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

```
.background{ background-color: rgb(90, 201,  
195) }
```

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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