

# Converting Colors

$Yxy(47.7859, 0.2483, 0.3468)$

Have a look what the booklet for  
Yxy(47.7859, 0.2483, 0.3468)  
contains.

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# Color

**Yxy(47.9414, 0.2485, 0.3480)**

# Conversions

## Conversions Part 1

Format	Color
Hex	57CABD
RGB	87, 202, 189
RGB Percent	34%, 79%, 74%
CMY	0.6589, 0.2078, 0.2589
CMYK	0.57, 0.00, 0.06, 0.21
HSL	173°, 52%, 57%
HSV	173°, 57%, 79%
XYZ	34.2340, 47.9414, 55.5872
YIQ	166.1330, -64.3670, -28.4230

# Conversions

## Conversions Part 2

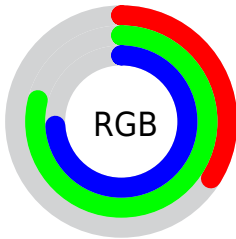
Format	Color
R <sub>Y</sub> B	87, 148, 202
Decimal	5753533
CIE Lab	74.79, -35.58, -3.31
CIE LCh	75, 35.733, 185.323
Yxy	47.9414, 0.2485, 0.3480
Android (android.graphics.Color)	4283943613 (0xFF57CABD)
YUV	166.1330, 11.2734, -69.3996
Hunter-Lab	69.2397, -32.9142, 0.8685

# Details

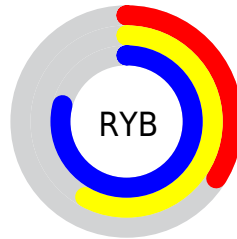
The Yxy color **47.9414, 0.2485, 0.3480** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted spring green. A complement of this color would be **20.2916, 0.4644, 0.3134**, and the grayscale version is **38.1673, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.3156, 0.2593, 0.3402**, and **22.6450, 0.2310, 0.3516** is the 20% darker color. If you saturate the color by 10%, you get **47.0049, 0.2423, 0.3519**, and if you desaturate by 10%, it is **49.1551, 0.2566, 0.3442**.

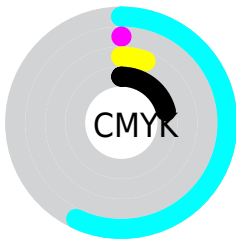
# Distribution



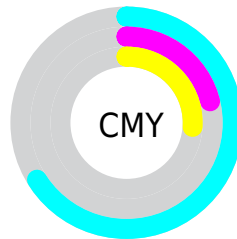
- Red (34%)
- Green (79%)
- Blue (74%)



- Red (34%)
- Yellow (58%)
- Blue (79%)



- Cyan (57%)
- Magenta (0%)
- Yellow (6%)
- Black (21%)




- Cyan (66%)
- Magenta (21%)
- Yellow (26%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 47.9414, 0.2485, 0.3480 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 47.9414, 0.2485, 0.3480 by changing the saturation by 10% instead.




 47.9414, 0.2485,  
0.3480


 47.9414, 0.2485,  
0.3480

378.5598, 0.2800,  
0.3390

 33.7805, 0.2408,  
0.3501


 87.1171, 0.2598,  
0.3448


 22.7250, 0.2311,  
0.3527


 112.9008, 0.2641,  
0.3436

 14.3906, 0.2184,  
0.3560


 143.3274, 0.2678,  
0.3426

 8.3928, 0.2011,  
0.3603

 178.7815, 0.2709,  
0.3417

 4.3473, 0.1765,  
0.3660

219.6474, 0.2736,  
0.3409

 1.8697, 0.1375,  
0.3740

266.3094, 0.2760,

 0.5301, 0.0000,

0.3402

0.3959

319.1521, 0.2781,  
0.3395

0.0000, 0.0000,  
0.0000

47.9414, 0.2485,  
0.3480

47.9414, 0.2485,  
0.3480

47.0049, 0.2423,  
0.3519

49.1551, 0.2566,  
0.3442

46.3168, 0.2379,  
0.3558

50.6612, 0.2664,  
0.3406

45.8516, 0.2355,  
0.3597

52.4801, 0.2775,  
0.3371

45.5730, 0.2347,  
0.3636

54.6290, 0.2899,  
0.3339

45.5047, 0.2347,  
0.3648

57.1237, 0.3032,  
0.3309

■ 59.9791, 0.3170,  
0.3282

■ 63.2092, 0.3312,  
0.3258

■ 66.8272, 0.3454,  
0.3236

■ 68.1354, 0.3487,  
0.3214

# Harmonies

## Analogous

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



47.9414, 0.2887, 0.3938



47.9414, 0.2485, 0.3480



47.9414, 0.2261, 0.3000

# Triad

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



47.9414, 0.2485, 0.3480



47.9414, 0.2825, 0.2547



47.9414, 0.4081, 0.3838

# Complementary

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



47.9414, 0.2485, 0.3480



20.2916, 0.4644, 0.3134

# 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.



47.9414, 0.4078, 0.3459



47.9414, 0.2485, 0.3480



47.9414, 0.3318, 0.2749

# Square

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



47.9414, 0.2485, 0.3480



47.9414, 0.2445, 0.2508



47.9414, 0.3791, 0.3072



47.9414, 0.3815, 0.4117



# Rectangle

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



47.9414, 0.2485, 0.3480



47.9414, 0.2228, 0.2752



47.9414, 0.3791, 0.3072



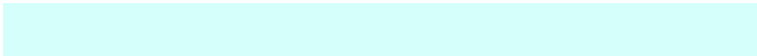
47.9414, 0.4113, 0.3718

# Sweetspot

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



47.9433, 0.2485, 0.3480



92.3731, 0.2895, 0.3340



45.6643, 0.3122, 0.5065



19.6038, 0.2869, 0.3346



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.



47.9433, 0.2485, 0.3480



79.3160, 0.2412, 0.3527



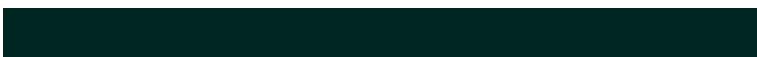
30.7148, 0.2273, 0.2605



12.7043, 0.2998, 0.3316



29.2880, 0.2345, 0.3643



1.5173, 0.2324, 0.3567



# Inverse Universe

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



20.2916, 0.4644, 0.3134



28.1784, 0.5170, 0.3127



29.4985, 0.4465, 0.3851



11.2340, 0.3273, 0.3264



8.1262, 0.6251, 0.3217

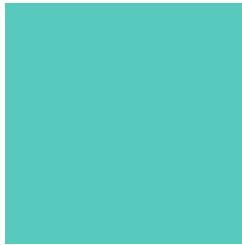


0.4263, 0.5856, 0.2999



# Previews

## White Background



This preview shows how the Yxy color 47.9414, 0.2485, 0.3480 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 47.9414, 0.2485, 0.3480 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

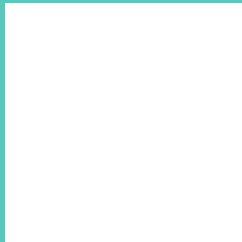
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 47.9414, 0.2485, 0.3480**

## **Background**



This preview shows how black text looks on a background with the Yxy color 47.9414, 0.2485, 0.3480.

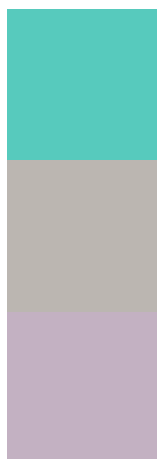


This preview shows how white text looks on a background with the Yxy color 47.9414, 0.2485, 0.3480.

# 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

47.9414, 0.2485, 0.3480

### Protanopia

47.1950, 0.3210, 0.3355

### Deuteranopia

46.9414, 0.3146, 0.3079



## Tritanopia

47.7846, 0.2390, 0.3065

# Trichromacy



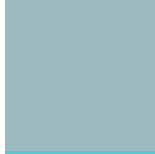
## Original Color

47.9414, 0.2485, 0.3480



## Protanomaly

46.3107, 0.2886, 0.3400



## Deuteranomaly

45.9915, 0.2845, 0.3208



## Tritanomaly

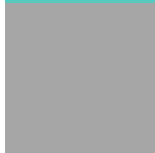
47.5818, 0.2420, 0.3202

# Monochromacy



## Original Color

47.9414, 0.2485, 0.3480



## Achromatopsia

38.1326, 0.3127, 0.3290



## Achromatomaly

40.6146, 0.2821, 0.3363

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 47.9414, 0.2485, 0.3480 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(87, 202, 189)` looks like.

```
.text, #text, p{  
    color:rgb(87, 202, 189)  
}
```

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(87, 202, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 202, 189) }
```

## Border

The CSS property to change the border of an element to Yxy 47.9414, 0.2485, 0.3480 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(87, 202, 189) }
```

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

```
.border{ border-color:rgb(87, 202, 189) }
```

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

Here you see how a box with a 4 pixel rgb(87, 202, 189) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 202, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 202, 189);  
box-shadow:4px 4px 4px 4px rgb(87, 202,  
189) }
```



# Background

The CSS property to change the background color of an element to Yxy 47.9414, 0.2485, 0.3480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 202, 189) }
```

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

```
.background{ background-color: rgb(87, 202,  
189) }
```

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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