

# Converting Colors

$Yxy(48.4600, 0.2474, 0.3373)$

Have a look what the booklet for  
Yxy(48.4600, 0.2474, 0.3373)  
contains.

<b>Yxy(48.5537, 0.2474, 0.3375)</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(48.5537, 0.2474, 0.3375)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5DCAC4
RGB	93, 202, 196
RGB Percent	36%, 79%, 77%
CMY	0.6356, 0.2078, 0.2314
CMYK	0.54, 0.00, 0.03, 0.21
HSL	177°, 51%, 58%
HSV	177°, 54%, 79%
XYZ	35.5917, 48.5537, 59.7175
YIQ	168.7250, -63.0380, -24.9740

# Conversions

## Conversions Part 2

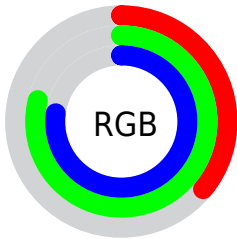
Format	Color
R <sub>Y</sub> B	93, 149, 202
Decimal	6146756
CIE Lab	75.17, -32.60, -6.52
CIE LCh	75, 33.241, 191.305
Yxy	48.5537, 0.2474, 0.3375
Android (android.graphics.Color)	4284336836 (0xFF5DCAC4)
YUV	168.7250, 13.4466, -66.4108
Hunter-Lab	69.6805, -30.7659, -2.0363

# Details

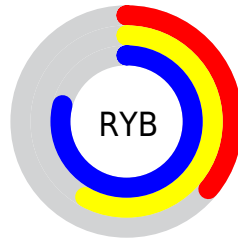
The Yxy color **48.5537, 0.2474, 0.3375** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **21.2726, 0.4618, 0.3219**, and the grayscale version is **39.4798, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.2872, 0.2579, 0.3311**, and **22.9589, 0.2301, 0.3389** is the 20% darker color. If you saturate the color by 10%, you get **47.5875, 0.2402, 0.3393**, and if you desaturate by 10%, it is **49.8023, 0.2564, 0.3357**.

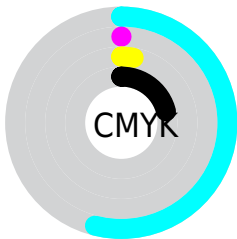
# Distribution



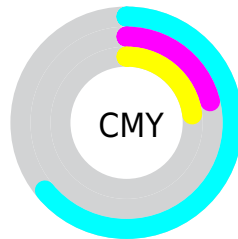
- Red (36%)
- Green (79%)
- Blue (77%)



- Red (36%)
- Yellow (58%)
- Blue (79%)



- Cyan (54%)
- Magenta (0%)
- Yellow (3%)
- Black (21%)




- Cyan (64%)
- Magenta (21%)
- Yellow (23%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.5537, 0.2474, 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 48.5537, 0.2474, 0.3375 by changing the saturation by 10% instead.




 48.5537, 0.2474,  
0.3375


 48.5537, 0.2474,  
0.3375

380.9827, 0.2793,  
0.3339


 34.2656, 0.2397,  
0.3382


 88.0282, 0.2588,  
0.3363

 23.0977, 0.2300,  
0.3390


 113.9834, 0.2631,  
0.3359

 14.6657, 0.2174,  
0.3398


 144.5965, 0.2668,  
0.3355

 8.5851, 0.2003,  
0.3405

 180.2517, 0.2700,  
0.3351

 4.4716, 0.1762,  
0.3408

221.3336, 0.2728,  
0.3347

 1.9407, 0.1400,  
0.3393

268.2264, 0.2752,

 0.5727, 0.0000,

0.3344

0.3457

321.3146, 0.2774,  
0.3342

0.0000, 0.0000,  
0.0000

48.5537, 0.2474,  
0.3375

48.5537, 0.2474,  
0.3375

47.5875, 0.2402,  
0.3393

49.8023, 0.2564,  
0.3357

46.8757, 0.2349,  
0.3412

51.3477, 0.2671,  
0.3340

46.3942, 0.2315,  
0.3430

53.2099, 0.2793,  
0.3324

46.1116, 0.2299,  
0.3448

55.4057, 0.2926,  
0.3309

46.0032, 0.2294,  
0.3459

57.9506, 0.3068,  
0.3295

■ 60.8592, 0.3217,  
0.3283

■ 64.1452, 0.3368,  
0.3271

■ 67.8217, 0.3520,  
0.3261

■ 67.9646, 0.3515,  
0.3250

# Harmonies

## Analogous

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



48.5537, 0.2822, 0.3814



48.5537, 0.2474, 0.3375



48.5537, 0.2301, 0.2948

# Triad

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



48.5537, 0.2474, 0.3375



48.5537, 0.2934, 0.2622



48.5537, 0.3981, 0.3866

# Complementary

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



48.5537, 0.2474, 0.3375



21.2726, 0.4618, 0.3219

# 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.



48.5537, 0.4030, 0.3525



48.5537, 0.2474, 0.3375



48.5537, 0.3399, 0.2838

# Square

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



48.5537, 0.2474, 0.3375



48.5537, 0.2551, 0.2554



48.5537, 0.3813, 0.3158



48.5537, 0.3695, 0.4088



# Rectangle

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



48.5537, 0.2474, 0.3375



48.5537, 0.2297, 0.2737



48.5537, 0.3813, 0.3158



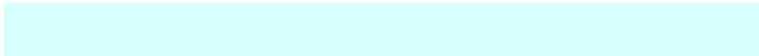
48.5537, 0.4027, 0.3760

# Sweetspot

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



48.5556, 0.2474, 0.3375



92.9222, 0.2896, 0.3312



45.7565, 0.3091, 0.4984



19.7187, 0.2868, 0.3315



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.



48.5556, 0.2474, 0.3375



80.3014, 0.2391, 0.3397



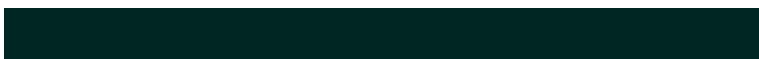
29.9439, 0.2294, 0.2558



12.7160, 0.2991, 0.3303



29.6026, 0.2293, 0.3456



1.5305, 0.2284, 0.3421



# Inverse Universe

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



21.2726, 0.4618, 0.3219



29.3357, 0.5158, 0.3216



32.1601, 0.4329, 0.3895



11.2235, 0.3282, 0.3278



8.1000, 0.6335, 0.3263

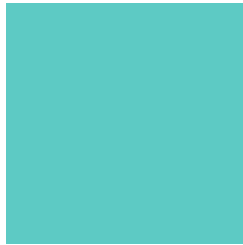


0.4215, 0.6119, 0.3145



# Previews

## White Background



This preview shows how the Yxy color 48.5537, 0.2474, 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 48.5537, 0.2474, 0.3375 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

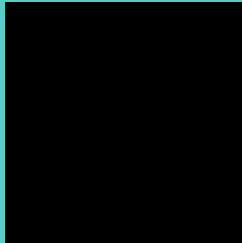
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

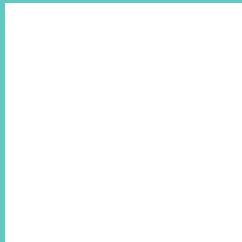
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 48.5537, 0.2474, 0.3375**

## **Background**



This preview shows how black text looks on a background with the Yxy color 48.5537, 0.2474, 0.3375.

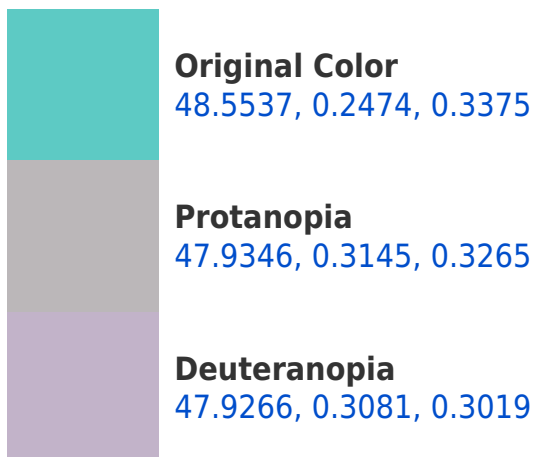


This preview shows how white text looks on a background with the Yxy color 48.5537, 0.2474, 0.3375.

# 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

48.4625, 0.2401, 0.3066

# Trichromacy



## Original Color

48.5537, 0.2474, 0.3375



## Protanomaly

47.2733, 0.2846, 0.3303



## Deuteranomaly

46.8323, 0.2805, 0.3129



## Tritanomaly

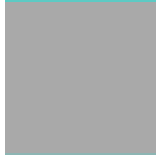
48.4040, 0.2425, 0.3175

# Monochromacy



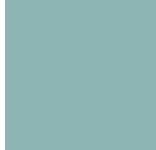
## Original Color

48.5537, 0.2474, 0.3375



## Achromatopsia

39.6755, 0.3127, 0.3290



## Achromatomaly

41.9651, 0.2818, 0.3318

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.5537, 0.2474, 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(93, 202, 196)` looks like.

```
.text, #text, p{  
    color:rgb(93, 202, 196)  
}
```

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(93, 202, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 202, 196) }
```

## Border

The CSS property to change the border of an element to Yxy 48.5537, 0.2474, 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(93, 202, 196) }
```

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

```
.border{ border-color:rgb(93, 202, 196) }
```

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

Here you see how a box with a 4 pixel rgb(93, 202, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 202, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 202, 196);  
box-shadow:4px 4px 4px 4px rgb(93, 202,  
196) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.5537, 0.2474, 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(93, 202, 196) }
```

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

```
.background{ background-color: rgb(93, 202,  
196) }
```

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