

# Converting Colors

$Yxy(53.3583, 0.2430, 0.3610)$

Have a look what the booklet for  
Yxy(53.3583, 0.2430, 0.3610)  
contains.

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# Color

**Yxy(53.4966, 0.2432, 0.3621)**

# Conversions

## Conversions Part 1

Format	Color
Hex	40D7C0
RGB	64, 215, 192
RGB Percent	25%, 84%, 75%
CMY	0.7490, 0.1569, 0.2470
CMYK	0.70, 0.00, 0.11, 0.16
HSL	171°, 65%, 55%
HSV	171°, 70%, 84%
XYZ	35.9303, 53.4966, 58.3129
YIQ	167.2290, -82.6130, -39.1650

# Conversions

## Conversions Part 2

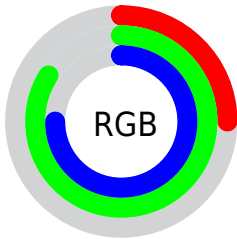
Format	Color
R <sub>YB</sub>	64, 146, 215
Decimal	4249536
CIE Lab	78.17, -44.36, -0.06
CIE LCh	78, 44.364, 180.077
Yxy	53.4966, 0.2432, 0.3621
Android (android.graphics.Color)	4282439616 (0xFF40D7C0)
YUV	167.2290, 12.2121, -90.5318
Hunter-Lab	73.1414, -40.3102, 3.9292

# Details

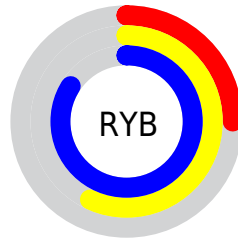
The Yxy color **53.4966, 0.2432, 0.3621** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light muted cyan. A complement of this color would be **18.8013, 0.5147, 0.3064**, and the grayscale version is **38.7312, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.1226, 0.2515, 0.3368**, and **26.6604, 0.2356, 0.3683** is the 20% darker color. If you saturate the color by 10%, you get **52.7681, 0.2398, 0.3675**, and if you desaturate by 10%, it is **54.5101, 0.2485, 0.3567**.

# Distribution



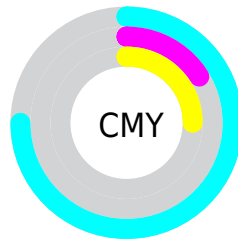
- Red (25%)
- Green (84%)
- Blue (75%)



- Red (25%)
- Yellow (57%)
- Blue (84%)



- Cyan (70%)
- Magenta (0%)
- Yellow (11%)
- Black (16%)



- Cyan (75%)
- Magenta (16%)
- Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.4966, 0.2432, 0.3621 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 53.4966, 0.2432, 0.3621 by changing the saturation by 10% instead.




 53.4966, 0.2432,  
0.3621

 53.4966, 0.2432,  
0.3621


400.1875, 0.2768,  
0.3461


 38.1994, 0.2352,  
0.3659


 95.3347, 0.2552,  
0.3564


 26.1374, 0.2251,  
0.3707


 122.6444, 0.2597,  
0.3542

 16.9265, 0.2120,  
0.3769


 154.7269, 0.2636,  
0.3524

 10.1821, 0.1946,  
0.3852

 191.9668, 0.2670,  
0.3508

 5.5199, 0.1702,  
0.3968

234.7484, 0.2699,  
0.3494

 2.5554, 0.1342,  
0.4138

283.4561, 0.2725,

 0.9043, 0.0000,

0.3482

0.4777

338.4744, 0.2748,  
0.3471

■ 0.0000, 0.0000,  
0.0000

■ 53.4966, 0.2432,  
0.3621

■ 53.4966, 0.2432,  
0.3621

■ 52.7681, 0.2398,  
0.3675

■ 54.5101, 0.2485,  
0.3567

■ 52.2845, 0.2384,  
0.3729

■ 55.8310, 0.2557,  
0.3515

■ 51.9912, 0.2384,  
0.3782

■ 57.4864, 0.2646,  
0.3464


■ 59.4988, 0.2750,  
0.3416

■ 61.8887, 0.2867,  
0.3371

 64.6750, 0.2992,  
0.3329

 67.8755, 0.3124,  
0.3291

 71.5067, 0.3260,  
0.3257

 75.1077, 0.3378,  
0.3226

# Harmonies

## Analogous

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



53.4966, 0.2930, 0.4155



53.4966, 0.2432, 0.3621



53.4966, 0.2134, 0.3025

# Triad

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



53.4966, 0.2432, 0.3621



53.4966, 0.2672, 0.2396



53.4966, 0.4289, 0.3848

# Complementary

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



53.4966, 0.2432, 0.3621



18.8013, 0.5147, 0.3064

# 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.



53.4966, 0.4230, 0.3394



53.4966, 0.2432, 0.3621



53.4966, 0.3244, 0.2601

# Square

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



53.4966, 0.2432, 0.3621



53.4966, 0.2265, 0.2382



53.4966, 0.3833, 0.2954



53.4966, 0.4012, 0.4223

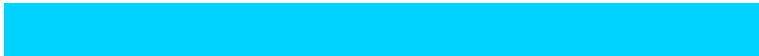


# Rectangle

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



53.4966, 0.2432, 0.3621



53.4966, 0.2070, 0.2709



53.4966, 0.3833, 0.2954



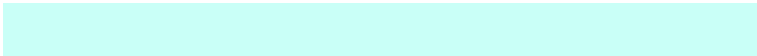
53.4966, 0.4310, 0.3700

# Sweetspot

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



53.4987, 0.2432, 0.3621



90.7061, 0.2855, 0.3375



51.1041, 0.3136, 0.5458



19.1960, 0.2822, 0.3387



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.



53.4987, 0.2432, 0.3621



77.2828, 0.2389, 0.3700



32.7863, 0.2141, 0.2528



14.0739, 0.3003, 0.3326



31.1089, 0.2382, 0.3774



1.8853, 0.2356, 0.3681



# Inverse Universe

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



18.8013, 0.5147, 0.3064



23.3184, 0.5754, 0.3103



26.9268, 0.4991, 0.3839



12.4513, 0.3267, 0.3255



8.7157, 0.6179, 0.3177

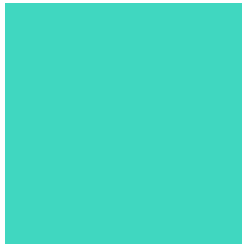


0.5356, 0.5752, 0.2942



# Previews

## White Background



This preview shows how the Yxy color 53.4966, 0.2432, 0.3621 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

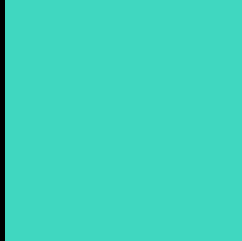
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 53.4966, 0.2432, 0.3621 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

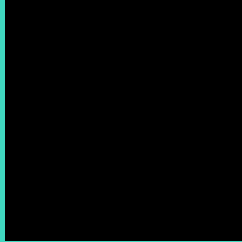
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

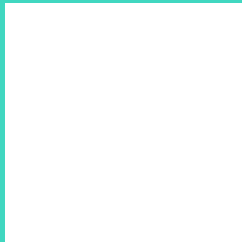
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 53.4966, 0.2432, 0.3621**

## **Background**



This preview shows how black text looks on a background with the Yxy color 53.4966, 0.2432, 0.3621.

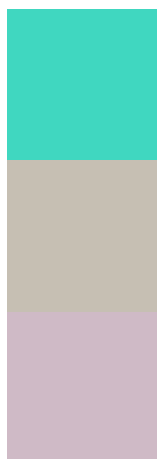


This preview shows how white text looks on a background with the Yxy color 53.4966, 0.2432, 0.3621.

# 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

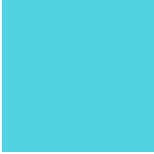
53.4966, 0.2432, 0.3621

### Protanopia

52.5220, 0.3278, 0.3439

### Deuteranopia

52.4604, 0.3209, 0.3147



## **Tritanopia**

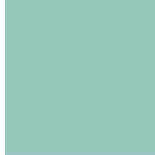
53.4331, 0.2312, 0.3059

# Trichromacy



## Original Color

53.4966, 0.2432, 0.3621



## Protanomaly

51.1588, 0.2858, 0.3507



## Deuteranomaly

50.8866, 0.2820, 0.3302



## Tritanomaly

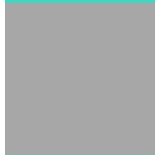
53.4379, 0.2354, 0.3260

# Monochromacy



## Original Color

53.4966, 0.2432, 0.3621



## Achromatopsia

38.6429, 0.3127, 0.3290



## Achromatomaly

42.1614, 0.2762, 0.3407

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.4966, 0.2432, 0.3621 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(64, 215, 192)` looks like.

```
.text, #text, p{  
    color:rgb(64, 215, 192)  
}
```

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(64, 215, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 215, 192) }
```

## Border

The CSS property to change the border of an element to Yxy 53.4966, 0.2432, 0.3621 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(64, 215, 192) }
```

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

```
.border{ border-color:rgb(64, 215, 192) }
```

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

Here you see how a box with a 4 pixel rgb(64, 215, 192) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 215, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 215, 192);  
box-shadow:4px 4px 4px 4px rgb(64, 215,  
192) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.4966, 0.2432, 0.3621 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 215, 192) }
```

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

```
.background{ background-color: rgb(64, 215,  
192) }
```

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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