

# Converting Colors

$Yxy(53.4546, 0.2395, 0.3495)$

Have a look what the booklet for  
Yxy(53.4546, 0.2395, 0.3495)  
contains.

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# Color

**Yxy(53.3533, 0.2392, 0.3488)**

# Conversions

## Conversions Part 1

Format	Color
Hex	40D6C8
RGB	64, 214, 200
RGB Percent	25%, 84%, 78%
CMY	0.7489, 0.1608, 0.2156
CMYK	0.70, 0.00, 0.07, 0.16
HSL	174°, 65%, 55%
HSV	174°, 70%, 84%
XYZ	36.5886, 53.3533, 63.0205
YIQ	167.5540, -84.9060, -36.1540

# Conversions

## Conversions Part 2

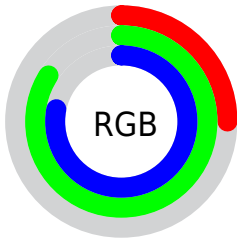
Format	Color
<b>RYB</b>	64, 143, 214
Decimal	4249288
CIELab	78.08, -41.81, -4.46
CIELCh	78, 42.044, 186.093
Yxy	53.3533, 0.2392, 0.3488
Android (android.graphics.Color)	4282439368 (0xFF40D6C8)
YUV	167.5540, 15.9959, -90.8169
Hunter-Lab	73.0433, -38.4123, -0.0240

# Details

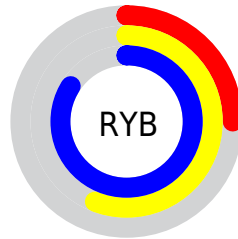
The Yxy color **53.3533, 0.2392, 0.3488** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light muted cyan. A complement of this color would be **18.5173, 0.5279, 0.3159**, and the grayscale version is **38.8852, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.6455, 0.2489, 0.3288**, and **26.5290, 0.2312, 0.3521** is the 20% darker color. If you saturate the color by 10%, you get **52.6772, 0.2354, 0.3520**, and if you desaturate by 10%, it is **54.3098, 0.2450, 0.3456**.

# Distribution



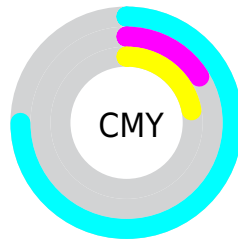
- Red (25%)
- Green (84%)
- Blue (78%)



- Red (25%)
- Yellow (56%)
- Blue (84%)



- Cyan (70%)
- Magenta (0%)
- Yellow (7%)
- Black (16%)




- Cyan (75%)
- Magenta (16%)
- Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.3533, 0.2392, 0.3488 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 53.3533, 0.2392, 0.3488 by changing the saturation by 10% instead.





 53.3533, 0.2392,  
0.3488

 53.3533, 0.2392,  
0.3488


399.6391, 0.2745,  
0.3397


 38.0849, 0.2308,  
0.3508


 95.1240, 0.2517,  
0.3457

 26.0486, 0.2204,  
0.3532


 122.3952, 0.2565,  
0.3445

 16.8600, 0.2069,  
0.3562


 154.4360, 0.2606,  
0.3434

 10.1347, 0.1891,  
0.3600

 191.6308, 0.2641,  
0.3425

 5.4884, 0.1644,  
0.3645

234.3642, 0.2672,  
0.3417

 2.5366, 0.1287,  
0.3698

283.0205, 0.2699,

 0.8949, 0.0000,

0.3410

0.4034

337.9840, 0.2724,  
0.3403

■ 0.0000, 0.0000,  
0.0000

■ 53.3533, 0.2392,  
0.3488

■ 53.3533, 0.2392,  
0.3488

■ 52.6772, 0.2354,  
0.3520

■ 54.3098, 0.2450,  
0.3456

■ 52.2419, 0.2334,  
0.3552


■ 55.5689, 0.2526,  
0.3425


■ 51.9903, 0.2329,  
0.3583


■ 57.1571, 0.2621,  
0.3394

■ 59.0968, 0.2730,  
0.3366

■ 61.4081, 0.2853,  
0.3338

 64.1097, 0.2986,  
0.3313

 67.2190, 0.3126,  
0.3290

 70.7525, 0.3271,  
0.3269

 74.4142, 0.3405,  
0.3251

# Harmonies

## Analogous

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



53.3533, 0.2836, 0.4023



53.3533, 0.2392, 0.3488



53.3533, 0.2151, 0.2942

# Triad

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



53.3533, 0.2392, 0.3488



53.3533, 0.2796, 0.2462



53.3533, 0.4202, 0.3908

# Complementary

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



53.3533, 0.2392, 0.3488



18.5173, 0.5279, 0.3159

# 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.



53.3533, 0.4212, 0.3482



53.3533, 0.2392, 0.3488



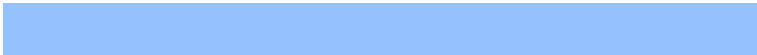
53.3533, 0.3356, 0.2691

# Square

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



53.3533, 0.2392, 0.3488



53.3533, 0.2368, 0.2411



53.3533, 0.3893, 0.3051



53.3533, 0.3888, 0.4229



# Rectangle

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



53.3533, 0.2392, 0.3488



53.3533, 0.2121, 0.2668



53.3533, 0.3893, 0.3051



53.3533, 0.4243, 0.3771

# Sweetspot

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



53.3553, 0.2392, 0.3488



90.9024, 0.2839, 0.3341



50.1276, 0.3086, 0.5486



19.2433, 0.2804, 0.3349



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.



53.3553, 0.2392, 0.3488



77.9867, 0.2342, 0.3535



29.0621, 0.2103, 0.2368



14.0870, 0.2995, 0.3312



31.4329, 0.2327, 0.3578



1.9018, 0.2312, 0.3524



# Inverse Universe

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



18.5173, 0.5279, 0.3159



23.1666, 0.5902, 0.3190



29.0873, 0.4878, 0.3956



12.4394, 0.3277, 0.3269



8.6783, 0.6287, 0.3237

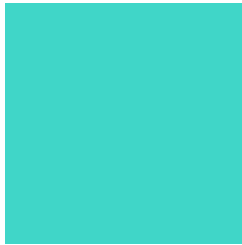


0.5300, 0.5982, 0.3069



# Previews

## White Background



This preview shows how the Yxy color 53.3533, 0.2392, 0.3488 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

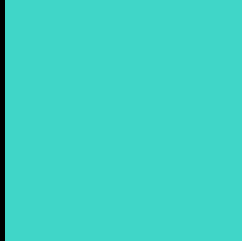
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 53.3533, 0.2392, 0.3488 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

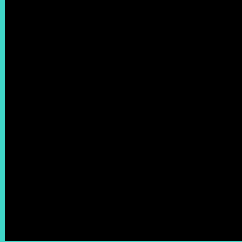
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

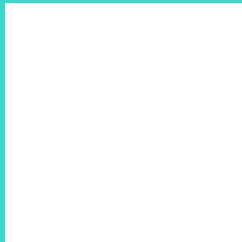
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 53.3533, 0.2392, 0.3488**

## Background



This preview shows how black text looks on a background with the Yxy color 53.3533, 0.2392, 0.3488.

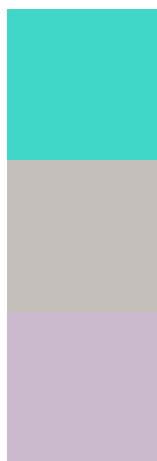


This preview shows how white text looks on a background with the Yxy color 53.3533, 0.2392, 0.3488.

# 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

53.3533, 0.2392, 0.3488

### Protanopia

52.5852, 0.3199, 0.3340

### Deuteranopia

52.2706, 0.3114, 0.3052



## Tritanopia

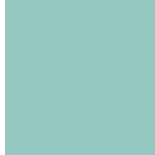
53.3015, 0.2303, 0.3058

# Trichromacy



## Original Color

53.3533, 0.2392, 0.3488



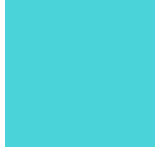
## Protanomaly

50.9485, 0.2799, 0.3383



## Deuteranomaly

50.5149, 0.2747, 0.3183



## Tritanomaly

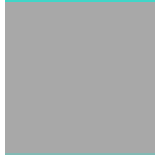
53.0541, 0.2334, 0.3205

# Monochromacy



## Original Color

53.3533, 0.2392, 0.3488



## Achromatopsia

39.1572, 0.3127, 0.3290



## Achromatomaly

42.7390, 0.2737, 0.3362

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.3533, 0.2392, 0.3488 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, 214, 200)` looks like.

```
.text, #text, p{  
    color:rgb(64, 214, 200)  
}
```

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, 214, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 214, 200) }
```

## Border

The CSS property to change the border of an element to Yxy 53.3533, 0.2392, 0.3488 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, 214, 200) }
```

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

```
.border{ border-color:rgb(64, 214, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 214, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 214, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 214, 200);  
box-shadow:4px 4px 4px 4px rgb(64, 214,  
200) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.3533, 0.2392, 0.3488 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 214, 200) }
```

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

```
.background{ background-color: rgb(64, 214,  
200) }
```

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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