

# Converting Colors

$Yxy(53.9595, 0.2452, 0.3462)$

Have a look what the booklet for  
Yxy(53.9595, 0.2452, 0.3462)  
contains.

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# Color

**Yxy(53.7368, 0.2450, 0.3457)**

# Conversions

## Conversions Part 1

Format	Color
Hex	55D5C9
RGB	85, 213, 201
RGB Percent	33%, 84%, 79%
CMY	0.6666, 0.1647, 0.2118
CMYK	0.60, 0.00, 0.06, 0.16
HSL	174°, 60%, 58%
HSV	174°, 60%, 84%
XYZ	38.0836, 53.7368, 63.6230
YIQ	173.3600, -72.4360, -30.8680

# Conversions

## Conversions Part 2

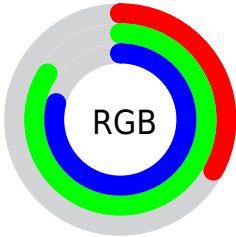
Format	Color
<b>RYB</b>	85, 152, 213
Decimal	5625289
CIELab	78.31, -37.89, -4.60
CIELCh	78, 38.166, 186.929
Yxy	53.7368, 0.2450, 0.3457
Android (android.graphics.Color)	4283815369 (0xFF55D5C9)
YUV	173.3600, 13.6265, -77.4917
Hunter-Lab	73.3054, -35.5500, -0.1450

# Details

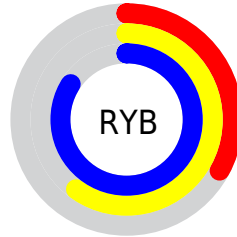
The Yxy color **53.7368, 0.2450, 0.3457** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **21.5091, 0.4824, 0.3159**, and the grayscale version is **41.9419, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.9430, 0.2549, 0.3288**, and **26.5603, 0.2306, 0.3501** is the 20% darker color. If you saturate the color by 10%, you get **52.7939, 0.2392, 0.3489**, and if you desaturate by 10%, it is **54.9850, 0.2527, 0.3426**.

# Distribution



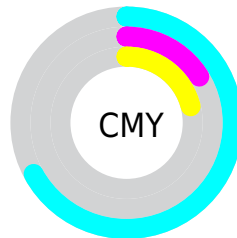
- Red (33%)
- Green (84%)
- Blue (79%)



- Red (33%)
- Yellow (60%)
- Blue (84%)



- Cyan (60%)
- Magenta (0%)
- Yellow (6%)
- Black (16%)



- Cyan (67%)
- Magenta (16%)
- Yellow (21%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.7368, 0.2450, 0.3457 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 53.7368, 0.2450, 0.3457 by changing the saturation by 10% instead.



 53.7368, 0.2450,  
0.3457


 53.7368, 0.2450,  
0.3457


401.1056, 0.2775,  
0.3381

 38.3913, 0.2373,  
0.3474


 95.6877, 0.2565,  
0.3431


 26.2865, 0.2276,  
0.3494


 123.0618, 0.2609,  
0.3421

 17.0381, 0.2152,  
0.3519


 155.2143, 0.2647,  
0.3412

 10.2617, 0.1987,  
0.3550

 192.5295, 0.2680,  
0.3404

 5.5728, 0.1756,  
0.3588

235.3919, 0.2708,  
0.3397

 2.5871, 0.1420,  
0.3630

284.1857, 0.2733,

 0.9202, 0.0000,

0.3391

0.4018

339.2955, 0.2755,  
0.3386

0.0000, 0.0000,  
0.0000

53.7368, 0.2450,  
0.3457

53.7368, 0.2450,  
0.3457

52.7939, 0.2392,  
0.3489

54.9850, 0.2527,  
0.3426

52.1223, 0.2354,  
0.3521

56.5568, 0.2621,  
0.3395

51.6910, 0.2334,  
0.3553

58.4760, 0.2730,  
0.3366

51.4414, 0.2329,  
0.3585

60.7628, 0.2853,  
0.3339

63.4357, 0.2986,  
0.3313

■ 66.5117, 0.3126,  
0.3290

■ 70.0073, 0.3270,  
0.3269

■ 73.8585, 0.3413,  
0.3251

■ 73.9631, 0.3399,  
0.3230

# Harmonies

## Analogous

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



53.7368, 0.2854, 0.3937



53.7368, 0.2450, 0.3457



53.7368, 0.2232, 0.2968

# Triad

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



53.7368, 0.2450, 0.3457



53.7368, 0.2841, 0.2535



53.7368, 0.4099, 0.3870

# Complementary

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



53.7368, 0.2450, 0.3457



21.5091, 0.4824, 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.



53.7368, 0.4113, 0.3483



53.7368, 0.2450, 0.3457



53.7368, 0.3351, 0.2750

# Square

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



53.7368, 0.2450, 0.3457



53.7368, 0.2443, 0.2485



53.7368, 0.3832, 0.3086



53.7368, 0.3812, 0.4150



# Rectangle

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



53.7368, 0.2450, 0.3457



53.7368, 0.2207, 0.2719



53.7368, 0.3832, 0.3086



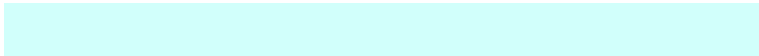
53.7368, 0.4138, 0.3747

# Sweetspot

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



53.7389, 0.2450, 0.3457



92.0358, 0.2878, 0.3334



50.8322, 0.3105, 0.5182



19.4636, 0.2840, 0.3341



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.



53.7389, 0.2450, 0.3457



79.0351, 0.2380, 0.3498



32.5089, 0.2223, 0.2523



14.0869, 0.2995, 0.3312



31.4300, 0.2328, 0.3580



1.9017, 0.2313, 0.3525



# Inverse Universe

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



21.5091, 0.4824, 0.3159



26.5324, 0.5398, 0.3161



32.4700, 0.4554, 0.3900



12.4395, 0.3276, 0.3268



8.6786, 0.6287, 0.3237

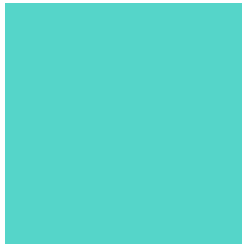


0.5301, 0.5980, 0.3068



# Previews

## White Background



This preview shows how the Yxy color 53.7368, 0.2450, 0.3457 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

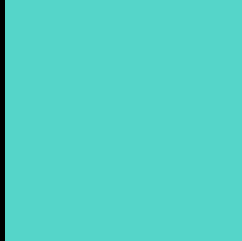
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 53.7368, 0.2450, 0.3457 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

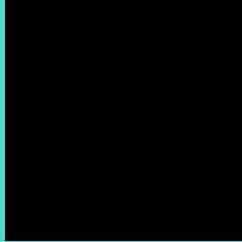
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

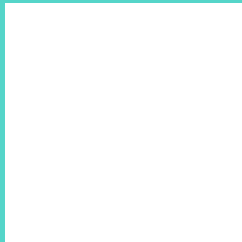
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 53.7368, 0.2450, 0.3457**

## **Background**



This preview shows how black text looks on a background with the Yxy color 53.7368, 0.2450, 0.3457.

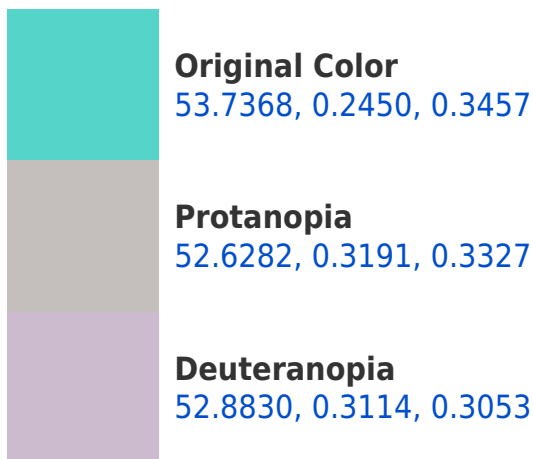


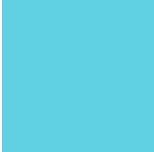
This preview shows how white text looks on a background with the Yxy color 53.7368, 0.2450, 0.3457.

# 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**

53.5248, 0.2359, 0.3061

# Trichromacy



## Original Color

53.7368, 0.2450, 0.3457



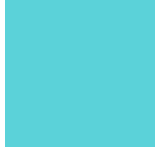
## Protanomaly

51.7650, 0.2848, 0.3369



## Deuteranomaly

51.4647, 0.2802, 0.3173



## Tritanomaly

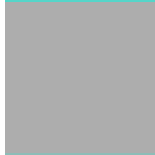
53.3271, 0.2388, 0.3192

# Monochromacy



## Original Color

53.7368, 0.2450, 0.3457



## Achromatopsia

41.7885, 0.3127, 0.3290



## Achromatomaly

45.0481, 0.2798, 0.3360

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.7368, 0.2450, 0.3457 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(85, 213, 201)` looks like.

```
.text, #text, p{  
    color:rgb(85, 213, 201)  
}
```

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(85, 213, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 213, 201) }
```

## Border

The CSS property to change the border of an element to Yxy 53.7368, 0.2450, 0.3457 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(85, 213, 201) }
```

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

```
.border{ border-color:rgb(85, 213, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 213, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 213, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 213, 201);  
box-shadow:4px 4px 4px 4px rgb(85, 213,  
201) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.7368, 0.2450, 0.3457 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 213, 201) }
```

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

```
.background{ background-color: rgb(85, 213,  
201) }
```

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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