

# Converting Colors

$Y_{xy}(53.4239, 0.2748, 0.4384)$

Have a look what the booklet for  
Yxy(53.4239, 0.2748, 0.4384)  
contains.

<b>Yxy(53.5241, 0.2747, 0.4388)</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(53.5241, 0.2747, 0.4388)**

# Conversions

## Conversions Part 1

Format	Color
Hex	54D990
RGB	84, 217, 144
RGB Percent	33%, 85%, 56%
CMY	0.6703, 0.1490, 0.4353
CMYK	0.61, 0.00, 0.34, 0.15
HSL	147°, 64%, 59%
HSV	147°, 61%, 85%
XYZ	33.5075, 53.5241, 34.9468
YIQ	168.9110, -55.8350, -50.8990

# Conversions

## Conversions Part 2

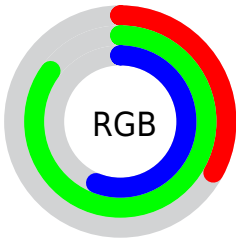
<b>Format</b>	<b>Color</b>
<b>RYB</b>	84, 176, 217
Decimal	5560720
CIELab	78.18, -52.75, 25.45
CIELCh	78, 58.568, 154.243
Yxy	53.5241, 0.2747, 0.4388
Android (android.graphics.Color)	4283750800 (0xFF54D990)
YUV	168.9110, -12.2811, -74.4669
Hunter-Lab	73.1602, -46.2771, 22.8908

# Details

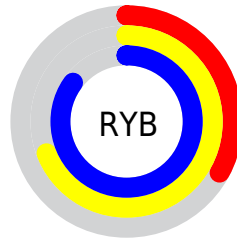
The Yxy color **53.5241, 0.2747, 0.4388** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **23.5413, 0.3950, 0.2455**, and the grayscale version is **39.7230, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.6170, 0.2806, 0.3974**, and **26.2801, 0.2645, 0.4722** is the 20% darker color. If you saturate the color by 10%, you get **52.3288, 0.2727, 0.4605**, and if you desaturate by 10%, it is **55.0723, 0.2784, 0.4175**.

# Distribution



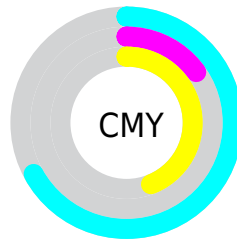
- Red (33%)
- Green (85%)
- Blue (56%)



- Red (33%)
- Yellow (69%)
- Blue (85%)



- Cyan (61%)
- Magenta (0%)
- Yellow (34%)
- Black (15%)




- Cyan (67%)
- Magenta (15%)
- Yellow (44%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.5241, 0.2747, 0.4388 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 53.5241, 0.2747, 0.4388 by changing the saturation by 10% instead.





 53.5241, 0.2747,  
0.4388


 53.5241, 0.2747,  
0.4388


400.2927, 0.2951,  
0.3816


 38.2213, 0.2692,  
0.4537


 95.3751, 0.2824,  
0.4175


 26.1545, 0.2619,  
0.4733


 122.6922, 0.2852,  
0.4096

 16.9393, 0.2518,  
0.4998


 154.7828, 0.2876,  
0.4031

 10.1912, 0.2370,  
0.5375

 192.0313, 0.2895,  
0.3975

 5.5259, 0.2137,  
0.5950

234.8221, 0.2912,  
0.3927

 2.5590, 0.1739,  
0.7114

283.5397, 0.2927,

 0.9061, 0.0000,

0.3885

1.0000

338.5684, 0.2939,  
0.3848

0.0000, 0.0000,  
0.0000

53.5241, 0.2747,  
0.4388

53.5241, 0.2747,  
0.4388

52.3288, 0.2727,  
0.4605

55.0723, 0.2784,  
0.4175

51.4491, 0.2727,  
0.4818

56.9940, 0.2835,  
0.3972

50.8505, 0.2746,  
0.5022

59.3157, 0.2897,  
0.3781

50.5028, 0.2774,  
0.5188

62.0596, 0.2967,  
0.3606

65.2461, 0.3041,  
0.3448

68.8945, 0.3118,  
0.3307

73.0227, 0.3194,  
0.3181

77.1366, 0.3250,  
0.3069

77.8658, 0.3169,  
0.2955

# Harmonies

## Analogous

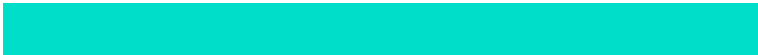
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



53.5241, 0.3488, 0.4731



53.5241, 0.2747, 0.4388



53.5241, 0.2149, 0.3604

# Triad

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



53.5241, 0.2747, 0.4388



53.5241, 0.2080, 0.2119



53.5241, 0.4621, 0.3467

# Complementary

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



53.5241, 0.2747, 0.4388



23.5413, 0.3950, 0.2455

# 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.



53.5241, 0.4152, 0.2918



53.5241, 0.2747, 0.4388



53.5241, 0.2621, 0.2182

# Square

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



53.5241, 0.2747, 0.4388



53.5241, 0.1814, 0.2318



53.5241, 0.3380, 0.2465



53.5241, 0.4607, 0.4039



# Rectangle

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



53.5241, 0.2747, 0.4388



53.5241, 0.1904, 0.3058



53.5241, 0.3380, 0.2465



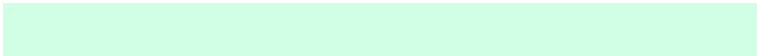
53.5241, 0.4515, 0.3278

# Sweetspot

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



53.5263, 0.2747, 0.4388



90.7913, 0.2990, 0.3556



57.4524, 0.3504, 0.4988



19.1582, 0.2968, 0.3604



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.



53.5263, 0.2747, 0.4388



74.9347, 0.2725, 0.4678



56.1836, 0.2415, 0.3379



14.7033, 0.3055, 0.3421



30.5932, 0.2767, 0.5161



1.9992, 0.2679, 0.4844



# Inverse Universe

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



23.5413, 0.3950, 0.2455



28.0917, 0.4229, 0.2354



21.8547, 0.4966, 0.3223



13.1706, 0.3206, 0.3162



9.7605, 0.4742, 0.2386



0.6496, 0.4424, 0.2211



# Previews

## White Background



This preview shows how the Yxy color 53.5241, 0.2747, 0.4388 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 53.5241, 0.2747, 0.4388 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

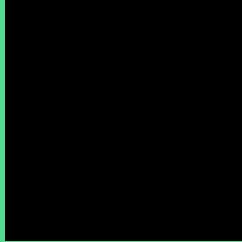
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 53.5241, 0.2747, 0.4388**

## **Background**



This preview shows how black text looks on a background with the Yxy color 53.5241, 0.2747, 0.4388.

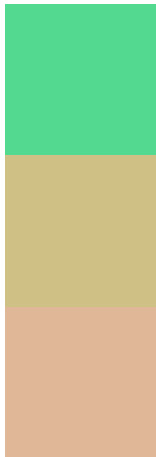


This preview shows how white text looks on a background with the Yxy color 53.5241, 0.2747, 0.4388.

# 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

53.5241, 0.2747, 0.4388

### Protanopia

52.6581, 0.3719, 0.4012

### Deuteranopia

52.3626, 0.3755, 0.3677



## Tritanopia

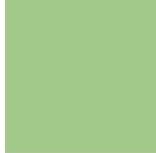
53.2587, 0.2419, 0.3062

# Trichromacy



## Original Color

53.5241, 0.2747, 0.4388



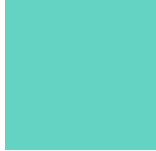
## Protanomaly

51.2608, 0.3277, 0.4168



## Deuteranomaly

50.5022, 0.3297, 0.3935



## Tritanomaly

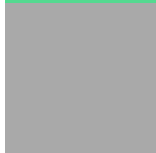
53.2380, 0.2534, 0.3514

# Monochromacy



## Original Color

53.5241, 0.2747, 0.4388



## Achromatopsia

39.6755, 0.3127, 0.3290



## Achromatomaly

43.0592, 0.2934, 0.3674

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.5241, 0.2747, 0.4388 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(84, 217, 144)` looks like.

```
.text, #text, p{  
    color:rgb(84, 217, 144)  
}
```

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(84, 217, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 217, 144) }
```

## Border

The CSS property to change the border of an element to Yxy 53.5241, 0.2747, 0.4388 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(84, 217, 144) }
```

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

```
.border{ border-color:rgb(84, 217, 144) }
```

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

Here you see how a box with a 4 pixel rgb(84, 217, 144) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 217, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 217, 144);  
box-shadow:4px 4px 4px 4px rgb(84, 217,  
144) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.5241, 0.2747, 0.4388 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 217, 144) }
```

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

```
.background{ background-color: rgb(84, 217,  
144) }
```

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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