

# Converting Colors

$Yxy(53.8249, 0.2758, 0.4350)$

Have a look what the booklet for  
Yxy(53.8249, 0.2758, 0.4350)  
contains.

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# Color

**Yxy(53.8249, 0.2758, 0.4350)**

# Conversions

## Conversions Part 1

Format	Color
Hex	59D992
RGB	89, 217, 146
RGB Percent	35%, 85%, 57%
CMY	0.6507, 0.1490, 0.4274
CMYK	0.59, 0.00, 0.33, 0.15
HSL	147°, 63%, 60%
HSV	147°, 59%, 85%
XYZ	34.1262, 53.8249, 35.7843
YIQ	170.6340, -53.4970, -49.2170

# Conversions

## Conversions Part 2

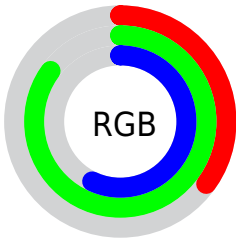
Format	Color
<a href="#">RYB</a>	<a href="#">89, 178, 217</a>
Decimal	<a href="#">5888402</a>
CIELab	<a href="#">78.36, -51.35, 24.67</a>
CIELCh	<a href="#">78, 56.966, 154.339</a>
Yxy	<a href="#">53.8249, 0.2758, 0.4350</a>
Android (android.graphics.Color)	<a href="#">4284078482</a> ( <a href="#">0xFF59D992</a> )
YUV	<a href="#">170.6340, -12.1446, -71.5930</a>
Hunter-Lab	<a href="#">73.3655, -45.3596, 22.4369</a>

# Details

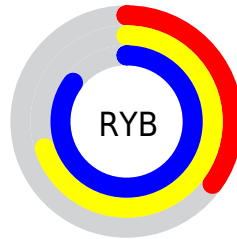
The Yxy color **53.8249, 0.2758, 0.4350** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **24.4494, 0.3894, 0.2470**, and the grayscale version is **40.6244, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.0797, 0.2816, 0.3945**, and **26.3224, 0.2634, 0.4678** is the 20% darker color. If you saturate the color by 10%, you get **52.5508, 0.2734, 0.4569**, and if you desaturate by 10%, it is **55.4593, 0.2798, 0.4137**.

# Distribution



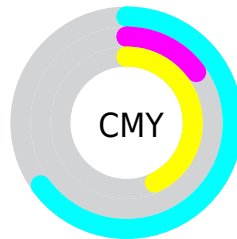
- Red (35%)
- Green (85%)
- Blue (57%)



- Red (35%)
- Yellow (70%)
- Blue (85%)



- Cyan (59%)
- Magenta (0%)
- Yellow (33%)
- Black (15%)




- Cyan (65%)
- Magenta (15%)
- Yellow (43%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.8249, 0.2758, 0.4350 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 53.8249, 0.2758, 0.4350 by changing the saturation by 10% instead.





 53.8249, 0.2758,  
0.4350

 53.8249, 0.2758,  
0.4350


401.4420, 0.2955,  
0.3799


 38.4617, 0.2705,  
0.4493


 95.8171, 0.2832,  
0.4145


 26.3412, 0.2635,  
0.4681

 123.2149, 0.2860,  
0.4070

 17.0791, 0.2538,  
0.4935

 155.3930, 0.2882,  
0.4006

 10.2909, 0.2397,  
0.5297

 192.7358, 0.2901,  
0.3952

 5.5923, 0.2175,  
0.5846

235.6277, 0.2918,  
0.3906

 2.5988, 0.1802,  
0.6902

284.4531, 0.2932,

 0.9260, 0.0000,

0.3866

1.0000

339.5964, 0.2944,  
0.3830

0.0000, 0.0000,  
0.0000

53.8249, 0.2758,  
0.4350

53.8249, 0.2758,  
0.4350

52.5508, 0.2734,  
0.4569

55.4593, 0.2798,  
0.4137

51.6005, 0.2730,  
0.4786

57.4737, 0.2852,  
0.3934

50.9410, 0.2744,  
0.4994

59.8942, 0.2915,  
0.3744

50.5174, 0.2776,  
0.5187

62.7426, 0.2985,  
0.3571

50.4790, 0.2780,  
0.5206

66.0390, 0.3059,  
0.3415

■ 69.8025, 0.3135,  
0.3276

■ 74.0507, 0.3211,  
0.3153

■ 77.3158, 0.3229,  
0.3040

■ 78.0649, 0.3149,  
0.2926

# Harmonies

## Analogous

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



53.8249, 0.3480, 0.4687



53.8249, 0.2758, 0.4350



53.8249, 0.2175, 0.3593

# Triad

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



53.8249, 0.2758, 0.4350



53.8249, 0.2107, 0.2148



53.8249, 0.4579, 0.3469

# Complementary

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



53.8249, 0.2758, 0.4350



24.4494, 0.3894, 0.2470

# 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.



53.8249, 0.4124, 0.2931



53.8249, 0.2758, 0.4350



53.8249, 0.2638, 0.2209

# Square

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



53.8249, 0.2758, 0.4350



53.8249, 0.1846, 0.2343



53.8249, 0.3377, 0.2487



53.8249, 0.4567, 0.4027



# Rectangle

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



53.8249, 0.2758, 0.4350



53.8249, 0.1934, 0.3065



53.8249, 0.3377, 0.2487



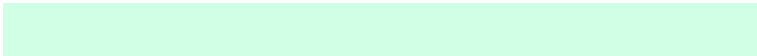
53.8249, 0.4475, 0.3284

# Sweetspot

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



53.8271, 0.2758, 0.4350



90.7764, 0.2991, 0.3559



57.9825, 0.3514, 0.4918



19.1546, 0.2970, 0.3607



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.



53.8271, 0.2758, 0.4350



75.3242, 0.2731, 0.4628



56.3289, 0.2441, 0.3405



14.7021, 0.3056, 0.3423



30.5789, 0.2772, 0.5180



1.9982, 0.2684, 0.4861



# Inverse Universe

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



24.4494, 0.3894, 0.2470



29.2238, 0.4150, 0.2361



22.7832, 0.4828, 0.3200



13.1719, 0.3205, 0.3161



9.7788, 0.4718, 0.2373

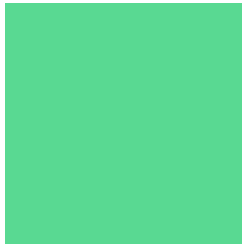


0.6508, 0.4405, 0.2201



# Previews

## White Background



This preview shows how the Yxy color 53.8249, 0.2758, 0.4350 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 53.8249, 0.2758, 0.4350 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 53.8249, 0.2758, 0.4350**

## **Background**



This preview shows how black text looks on a background with the Yxy color 53.8249, 0.2758, 0.4350.

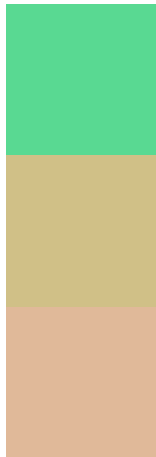


This preview shows how white text looks on a background with the Yxy color 53.8249, 0.2758, 0.4350.

# 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

53.8249, 0.2758, 0.4350

### Protanopia

52.8584, 0.3712, 0.3986

### Deuteranopia

52.8451, 0.3734, 0.3665



## Tritanopia

53.5182, 0.2437, 0.3063

# Trichromacy



## Original Color

53.8249, 0.2758, 0.4350



## Protanomaly

51.6367, 0.3287, 0.4133



## Deuteranomaly

51.2485, 0.3297, 0.3916



## Tritanomaly

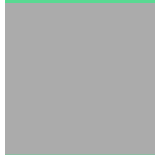
53.5171, 0.2547, 0.3498

# Monochromacy



## Original Color

53.8249, 0.2758, 0.4350



## Achromatopsia

40.7240, 0.3127, 0.3290



## Achromatomaly

44.2378, 0.2943, 0.3669

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.8249, 0.2758, 0.4350 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(89, 217, 146)` looks like.

```
.text, #text, p{  
    color:rgb(89, 217, 146)  
}
```

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(89, 217, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 217, 146) }
```

## Border

The CSS property to change the border of an element to Yxy 53.8249, 0.2758, 0.4350 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(89, 217, 146) }
```

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

```
.border{ border-color:rgb(89, 217, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 217, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 217, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 217, 146);  
box-shadow:4px 4px 4px 4px rgb(89, 217,  
146) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.8249, 0.2758, 0.4350 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 217, 146) }
```

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

```
.background{ background-color: rgb(89, 217,  
146) }
```

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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