

# Converting Colors

$Yxy(51.1962, 0.2587, 0.3943)$

Have a look what the booklet for  
Yxy(51.1962, 0.2587, 0.3943)  
contains.

<b>Yxy(51.0354, 0.2584, 0.3936)</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

**$\text{Yxy}(51.0354, 0.2584, 0.3936)$**

# Conversions

## Conversions Part 1

Format	Color
Hex	4ED3A8
RGB	78, 211, 168
RGB Percent	31%, 83%, 66%
CMY	0.6940, 0.1725, 0.3412
CMYK	0.63, 0.00, 0.20, 0.17
HSL	161°, 60%, 57%
HSV	161°, 63%, 83%
XYZ	33.5049, 51.0354, 45.1228
YIQ	166.3310, -65.4650, -41.5690

# Conversions

## Conversions Part 2

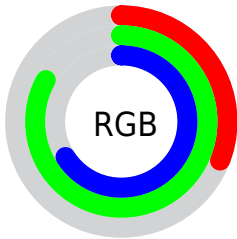
Format	Color
<a href="#">RYB</a>	<a href="#">78, 157, 211</a>
Decimal	<a href="#">5165992</a>
CIELab	<a href="#">76.70, -46.37, 10.72</a>
CIELCh	<a href="#">77, 47.589, 166.984</a>
Yxy	<a href="#">51.0354, 0.2584, 0.3936</a>
Android (android.graphics.Color)	<a href="#">4283356072</a> (0xFF4ED3A8)
YUV	<a href="#">166.3310, 0.8228, -77.4663</a>
Hunter-Lab	<a href="#">71.4391, -41.3018, 12.5582</a>

# Details

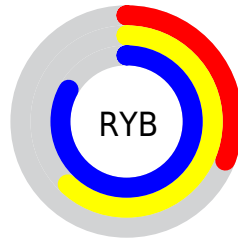
The Yxy color **51.0354, 0.2584, 0.3936** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **20.6853, 0.4460, 0.2792**, and the grayscale version is **38.3267, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.4232, 0.2663, 0.3665**, and **24.7036, 0.2475, 0.4111** is the 20% darker color. If you saturate the color by 10%, you get **50.0363, 0.2550, 0.4060**, and if you desaturate by 10%, it is **52.3377, 0.2637, 0.3816**.

# Distribution



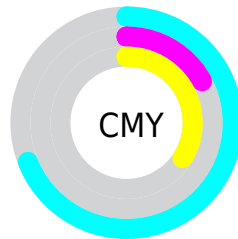
- Red (31%)
- Green (83%)
- Blue (66%)



- Red (31%)
- Yellow (62%)
- Blue (83%)



- Cyan (63%)
- Magenta (0%)
- Yellow (20%)
- Black (17%)




- Cyan (69%)
- Magenta (17%)
- Yellow (34%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.0354, 0.2584, 0.3936 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 51.0354, 0.2584, 0.3936 by changing the saturation by 10% instead.





 51.0354, 0.2584,  
0.3936

 51.0354, 0.2584,  
0.3936


390.7013, 0.2856,  
0.3605


 36.2368, 0.2516,  
0.4021


 91.7071, 0.2683,  
0.3814


 24.6171, 0.2429,  
0.4131


 118.3490, 0.2720,  
0.3769

 15.7920, 0.2313,  
0.4280


 149.7074, 0.2752,  
0.3731

 9.3771, 0.2152,  
0.4492

 186.1667, 0.2779,  
0.3698

 4.9880, 0.1916,  
0.4814

228.1114, 0.2802,  
0.3670

 2.2402, 0.1503,  
0.5383

275.9258, 0.2822,

 0.7418, 0.0000,

0.3646

0.9271

329.9943, 0.2840,  
0.3624

0.0000, 0.0000,  
0.0000

51.0354, 0.2584,  
0.3936

51.0354, 0.2584,  
0.3936

50.0363, 0.2550,  
0.4060

52.3377, 0.2637,  
0.3816

49.3058, 0.2535,  
0.4184

53.9621, 0.2707,  
0.3700

48.8113, 0.2541,  
0.4307

55.9329, 0.2791,  
0.3591

48.5647, 0.2553,  
0.4392

58.2703, 0.2885,  
0.3490

60.9929, 0.2987,  
0.3398

■ 64.1181, 0.3094,  
0.3314

■ 67.6622, 0.3204,  
0.3238

■ 71.6406, 0.3314,  
0.3171

■ 73.5302, 0.3326,  
0.3106

# Harmonies

## Analogous

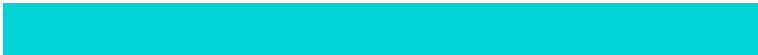
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



51.0354, 0.3180, 0.4397



51.0354, 0.2584, 0.3936



51.0354, 0.2161, 0.3268

# Triad

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



51.0354, 0.2584, 0.3936



51.0354, 0.2414, 0.2292



51.0354, 0.4413, 0.3673

# Complementary

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



51.0354, 0.2584, 0.3936



20.6853, 0.4460, 0.2792

# 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.



51.0354, 0.4180, 0.3182



51.0354, 0.2584, 0.3936



51.0354, 0.2966, 0.2429

# Square

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



51.0354, 0.2584, 0.3936



51.0354, 0.2079, 0.2373



51.0354, 0.3626, 0.2744



51.0354, 0.4255, 0.4135



# Rectangle

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



51.0354, 0.2584, 0.3936



51.0354, 0.2018, 0.2866



51.0354, 0.3626, 0.2744



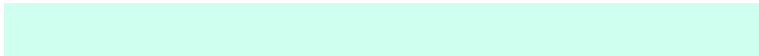
51.0354, 0.4379, 0.3508

# Sweetspot

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



51.0374, 0.2584, 0.3936



90.9719, 0.2923, 0.3454



51.3040, 0.3293, 0.5159



19.2229, 0.2894, 0.3481



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.



51.0374, 0.2584, 0.3936



76.3376, 0.2542, 0.4107



42.6516, 0.2299, 0.2965



13.3393, 0.3026, 0.3366



29.3277, 0.2548, 0.4374



1.6540, 0.2486, 0.4150



# Inverse Universe

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



20.6853, 0.4460, 0.2792



26.0715, 0.4940, 0.2767



23.5524, 0.4942, 0.3547



11.8704, 0.3240, 0.3215



8.6284, 0.5660, 0.2892

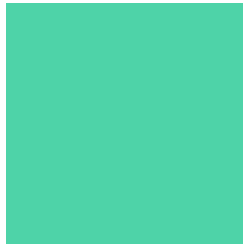


0.4969, 0.5136, 0.2603



# Previews

## White Background



This preview shows how the Yxy color 51.0354, 0.2584, 0.3936 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

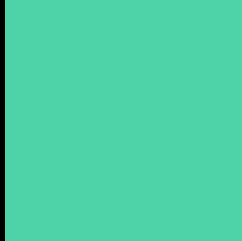
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 51.0354, 0.2584, 0.3936 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

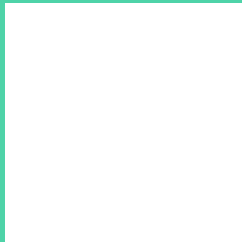
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 51.0354, 0.2584, 0.3936**

## Background



This preview shows how black text looks on a background with the Yxy color 51.0354, 0.2584, 0.3936.

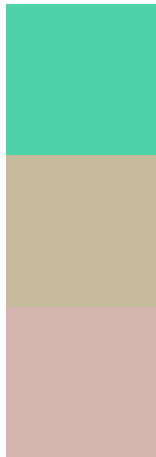


This preview shows how white text looks on a background with the Yxy color 51.0354, 0.2584, 0.3936.

# 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

51.0354, 0.2584, 0.3936

### Protanopia

49.9467, 0.3470, 0.3683

### Deuteranopia

49.9526, 0.3448, 0.3376



## Tritanopia

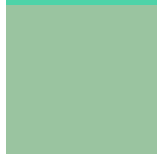
50.9497, 0.2383, 0.3070

# Trichromacy



## Original Color

51.0354, 0.2584, 0.3936



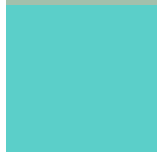
## Protanomaly

48.8879, 0.3057, 0.3792



## Deuteranomaly

48.4644, 0.3043, 0.3562



## Tritanomaly

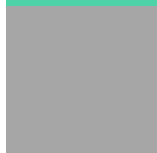
51.0668, 0.2455, 0.3373

# Monochromacy



## Original Color

51.0354, 0.2584, 0.3936



## Achromatopsia

38.1326, 0.3127, 0.3290



## Achromatomaly

41.3143, 0.2851, 0.3513

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.0354, 0.2584, 0.3936 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(78, 211, 168)` looks like.

```
.text, #text, p{  
    color:rgb(78, 211, 168)  
}
```

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(78, 211, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 211, 168) }
```

## Border

The CSS property to change the border of an element to Yxy 51.0354, 0.2584, 0.3936 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(78, 211, 168) }
```

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

```
.border{ border-color:rgb(78, 211, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 211, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 211, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 211, 168);  
box-shadow:4px 4px 4px 4px rgb(78, 211,  
168) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.0354, 0.2584, 0.3936 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 211, 168) }
```

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

```
.background{ background-color: rgb(78, 211,  
168) }
```

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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