

# Converting Colors

$Yxy(51.3335, 0.2588, 0.4082)$

Have a look what the booklet for  
Yxy(51.3335, 0.2588, 0.4082)  
contains.

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# Color

**Yxy(51.3550, 0.2587, 0.4082)**

# Conversions

## Conversions Part 1

Format	Color
Hex	43D5A1
RGB	67, 213, 161
RGB Percent	26%, 84%, 63%
CMY	0.7368, 0.1647, 0.3687
CMYK	0.68, 0.00, 0.24, 0.16
HSL	159°, 63%, 55%
HSV	159°, 68%, 84%
XYZ	32.5466, 51.3550, 41.9068
YIQ	163.4180, -70.3240, -47.1240

# Conversions

## Conversions Part 2

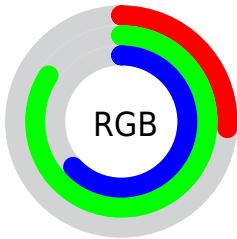
<b>Format</b>	<b>Color</b>
<b>RYB</b>	67, 156, 213
Decimal	4445601
CIELab	76.89, -50.60, 14.68
CIELCh	77, 52.685, 163.820
Yxy	51.3550, 0.2587, 0.4082
Android (android.graphics.Color)	4282635681 (0xFF43D5A1)
YUV	163.4180, -1.1921, -84.5586
Hunter-Lab	71.6624, -44.3405, 15.4920

# Details

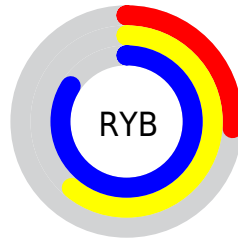
The Yxy color **51.3550, 0.2587, 0.4082** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **19.5095, 0.4565, 0.2716**, and the grayscale version is **36.8803, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.3834, 0.2661, 0.3756**, and **25.2181, 0.2529, 0.4304** is the 20% darker color. If you saturate the color by 10%, you get **50.4763, 0.2566, 0.4220**, and if you desaturate by 10%, it is **52.5309, 0.2627, 0.3946**.

# Distribution



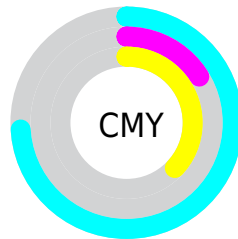
- Red (26%)
- Green (84%)
- Blue (63%)



- Red (26%)
- Yellow (61%)
- Blue (84%)



- Cyan (68%)
- Magenta (0%)
- Yellow (24%)
- Black (16%)




- Cyan (74%)
- Magenta (16%)
- Yellow (37%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.3550, 0.2587, 0.4082 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 51.3550, 0.2587, 0.4082 by changing the saturation by 10% instead.





 51.3550, 0.2587,  
0.4082


 51.3550, 0.2587,  
0.4082


391.9415, 0.2861,  
0.3673


 36.4912, 0.2518,  
0.4188


 92.1793, 0.2687,  
0.3930

 24.8138, 0.2428,  
0.4326

 118.9086, 0.2725,  
0.3874

 15.9384, 0.2309,  
0.4514


 150.3619, 0.2756,  
0.3827

 9.4806, 0.2141,  
0.4783

 186.9235, 0.2783,  
0.3787

 5.0559, 0.1892,  
0.5195

228.9779, 0.2807,  
0.3753

 2.2801, 0.1415,  
0.5948

276.9094, 0.2827,

 0.7632, 0.0000,

0.3723

1.0000

331.1025, 0.2845,  
0.3696

■ 0.0000, 0.0000,  
0.0000

■ 51.3550, 0.2587,  
0.4082

■ 51.3550, 0.2587,  
0.4082

■ 50.4763, 0.2566,  
0.4220

■ 52.5309, 0.2627,  
0.3946

■ 49.8564, 0.2566,  
0.4358

■ 54.0254, 0.2686,  
0.3814


■ 49.4484, 0.2584,  
0.4493


■ 55.8647, 0.2759,  
0.3689


■ 49.3944, 0.2587,  
0.4514


■ 58.0707, 0.2844,  
0.3572

■ 60.6634, 0.2939,  
0.3464

 63.6612, 0.3039,  
0.3366

 67.0816, 0.3143,  
0.3277

 70.9407, 0.3248,  
0.3198

 74.5227, 0.3324,  
0.3127

# Harmonies

## Analogous

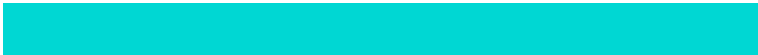
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



51.3550, 0.3249, 0.4552



51.3550, 0.2587, 0.4082



51.3550, 0.2105, 0.3337

# Triad

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



51.3550, 0.2587, 0.4082



51.3550, 0.2295, 0.2201



51.3550, 0.4539, 0.3638

# Complementary

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



51.3550, 0.2587, 0.4082



19.5095, 0.4565, 0.2716

# 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.



51.3550, 0.4240, 0.3110



51.3550, 0.2587, 0.4082



51.3550, 0.2873, 0.2327

# Square

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



51.3550, 0.2587, 0.4082



51.3550, 0.1962, 0.2309



51.3550, 0.3598, 0.2649



51.3550, 0.4398, 0.4154



# Rectangle

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



51.3550, 0.2587, 0.4082



51.3550, 0.1933, 0.2878



51.3550, 0.3598, 0.2649



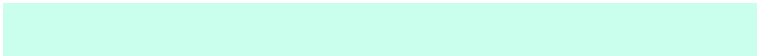
51.3550, 0.4488, 0.3459

# Sweetspot

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



51.3570, 0.2587, 0.4082



90.0506, 0.2912, 0.3492



52.0303, 0.3320, 0.5292



19.0388, 0.2886, 0.3522



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.



51.3570, 0.2587, 0.4082



75.4119, 0.2564, 0.4281



44.3836, 0.2270, 0.3006



14.0292, 0.3030, 0.3374



30.1935, 0.2582, 0.4494



1.8366, 0.2517, 0.4260



# Inverse Universe

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



19.5095, 0.4565, 0.2716



24.5734, 0.5044, 0.2717



21.2995, 0.5227, 0.3498



12.4932, 0.3236, 0.3207



8.9771, 0.5537, 0.2824

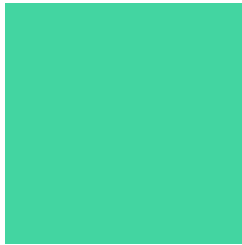


0.5570, 0.5057, 0.2559



# Previews

## White Background



This preview shows how the Yxy color 51.3550, 0.2587, 0.4082 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

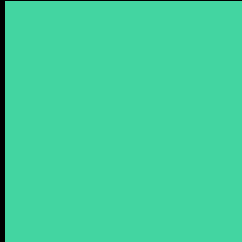
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 51.3550, 0.2587, 0.4082 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

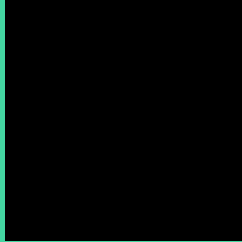
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 51.3550, 0.2587, 0.4082**

## **Background**



This preview shows how black text looks on a background with the Yxy color 51.3550, 0.2587, 0.4082.

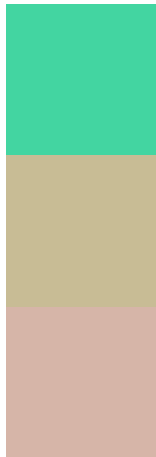


This preview shows how white text looks on a background with the Yxy color 51.3550, 0.2587, 0.4082.

# 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

51.3550, 0.2587, 0.4082

### Protanopia

50.4157, 0.3542, 0.3782

### Deuteranopia

50.1710, 0.3527, 0.3448



## Tritanopia

51.2119, 0.2353, 0.3056

# Trichromacy



## Original Color

51.3550, 0.2587, 0.4082



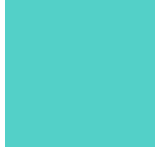
## Protanomaly

48.9078, 0.3090, 0.3909



## Deuteranomaly

48.4336, 0.3077, 0.3675



## Tritanomaly

51.1209, 0.2432, 0.3402

# Monochromacy



## Original Color

51.3550, 0.2587, 0.4082



## Achromatopsia

36.6253, 0.3127, 0.3290



## Achromatomaly

40.2456, 0.2841, 0.3579

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.3550, 0.2587, 0.4082 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(67, 213, 161)` looks like.

```
.text, #text, p{  
    color:rgb(67, 213, 161)  
}
```

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(67, 213, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 213, 161) }
```

## Border

The CSS property to change the border of an element to Yxy 51.3550, 0.2587, 0.4082 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(67, 213, 161) }
```

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

```
.border{ border-color:rgb(67, 213, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 213, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 213, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 213, 161);  
box-shadow:4px 4px 4px 4px rgb(67, 213,  
161) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.3550, 0.2587, 0.4082 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 213, 161) }
```

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

```
.background{ background-color: rgb(67, 213,  
161) }
```

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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