

# Converting Colors

$Yxy(43.4970, 0.2698, 0.4348)$

Have a look what the booklet for  
Yxy(43.4970, 0.2698, 0.4348)  
contains.

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# Color

**Yxy(43.3746, 0.2700, 0.4345)**

# Conversions

## Conversions Part 1

Format	Color
Hex	45C686
RGB	69, 198, 134
RGB Percent	27%, 78%, 53%
CMY	0.7292, 0.2235, 0.4746
CMYK	0.65, 0.00, 0.32, 0.22
HSL	150°, 53%, 52%
HSV	150°, 65%, 78%
XYZ	26.9531, 43.3746, 29.4987
YIQ	152.1330, -56.3400, -47.2520

# Conversions

## Conversions Part 2

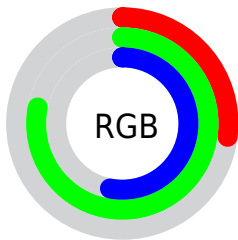
Format	Color
<a href="#">RYB</a>	69, 155, 198
Decimal	4572806
CIELab	71.81, -49.99, 21.98
CIELCh	72, 54.610, 156.265
Yxy	43.3746, 0.2700, 0.4345
Android (android.graphics.Color)	4282762886 (0xFF45C686)
YUV	152.1330, -8.9396, -72.9076
Hunter-Lab	65.8594, -42.2023, 19.5453

# Details

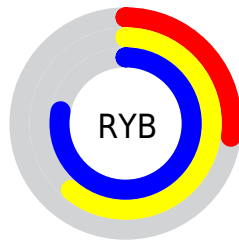
The Yxy color **43.3746, 0.2700, 0.4345** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **17.9645, 0.4134, 0.2504**, and the grayscale version is **31.5240, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.8967, 0.2784, 0.4116**, and **20.2850, 0.2631, 0.4673** is the 20% darker color. If you saturate the color by 10%, you get **42.5068, 0.2683, 0.4540**, and if you desaturate by 10%, it is **44.5130, 0.2735, 0.4153**.

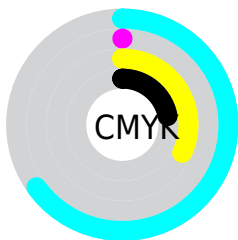
# Distribution



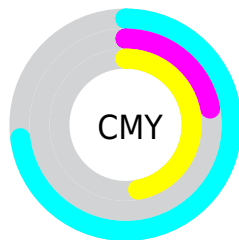
- Red (27%)
- Green (78%)
- Blue (53%)



- Red (27%)
- Yellow (61%)
- Blue (78%)



- Cyan (65%)
- Magenta (0%)
- Yellow (32%)
- Black (22%)



- Cyan (73%)
- Magenta (22%)
- Yellow (47%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 43.3746, 0.2700, 0.4345 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 43.3746, 0.2700, 0.4345 by changing the saturation by 10% instead.



 43.3746, 0.2700,  
0.4345


 43.3746, 0.2700,  
0.4345

360.1500, 0.2933,  
0.3777

 30.1791, 0.2635,  
0.4500

 80.2758, 0.2789,  
0.4129

 19.9746, 0.2549,  
0.4707


 104.7504, 0.2821,  
0.4051

 12.3766, 0.2426,  
0.4997


 133.7535, 0.2848,  
0.3986

 7.0007, 0.2242,  
0.5428

 167.6694, 0.2870,  
0.3931

 3.4625, 0.1938,  
0.6121

 206.8827, 0.2889,  
0.3884

 1.3777, 0.0158,  
0.9842

251.7776, 0.2906,

 0.2002, 0.0000,

0.3844

1.0000

302.7386, 0.2920,  
0.3808

■ 0.0000, 0.0000,  
0.0000

■ 43.3746, 0.2700,  
0.4345

■ 43.3746, 0.2700,  
0.4345

■ 42.5068, 0.2683,  
0.4540

■ 44.5130, 0.2735,  
0.4153

■ 41.8785, 0.2686,  
0.4732

■ 45.9390, 0.2786,  
0.3968

■ 41.4601, 0.2708,  
0.4917

■ 47.6744, 0.2850,  
0.3793

■ 41.3026, 0.2723,  
0.5003

■ 49.7371, 0.2923,  
0.3632

■ 52.1439, 0.3002,  
0.3485

■ 54.9102, 0.3084,  
0.3352

■ 58.0505, 0.3168,  
0.3234

■ 61.5787, 0.3251,  
0.3129

■ 65.5076, 0.3333,  
0.3037

# Harmonies

## Analogous

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



43.3746, 0.3438, 0.4727



43.3746, 0.2700, 0.4345



43.3746, 0.2118, 0.3546

# Triad

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



43.3746, 0.2700, 0.4345



43.3746, 0.2108, 0.2116



43.3746, 0.4636, 0.3506

# Complementary

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



43.3746, 0.2700, 0.4345



17.9645, 0.4134, 0.2504

# 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.



43.3746, 0.4196, 0.2953



43.3746, 0.2700, 0.4345



43.3746, 0.2667, 0.2194

# Square

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



43.3746, 0.2700, 0.4345



43.3746, 0.1823, 0.2295



43.3746, 0.3435, 0.2491



43.3746, 0.4590, 0.4077



# Rectangle

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



43.3746, 0.2700, 0.4345



43.3746, 0.1886, 0.3007



43.3746, 0.3435, 0.2491



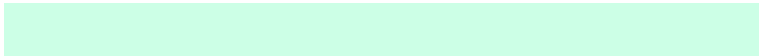
43.3746, 0.4541, 0.3316

# Sweetspot

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



43.3763, 0.2700, 0.4345



90.0526, 0.2960, 0.3559



45.8484, 0.3458, 0.5110



19.0208, 0.2938, 0.3602



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.



43.3763, 0.2700, 0.4345



74.7724, 0.2682, 0.4618



45.7328, 0.2361, 0.3288



11.9755, 0.3049, 0.3407



26.8773, 0.2717, 0.4980



1.2873, 0.2611, 0.4599



# Inverse Universe

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



17.9645, 0.4134, 0.2504



26.4596, 0.4475, 0.2438



16.6994, 0.5230, 0.3296



10.7233, 0.3213, 0.3176



8.4021, 0.4954, 0.2503

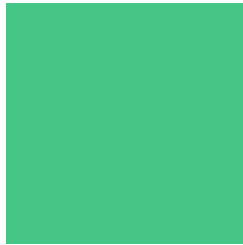


0.4125, 0.4495, 0.2250



# Previews

## White Background



This preview shows how the Yxy color 43.3746, 0.2700, 0.4345 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 43.3746, 0.2700, 0.4345 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

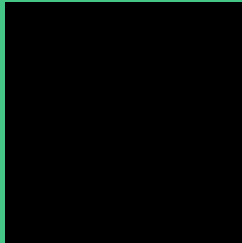
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 43.3746, 0.2700, 0.4345**

## **Background**



This preview shows how black text looks on a background with the Yxy color 43.3746, 0.2700, 0.4345.

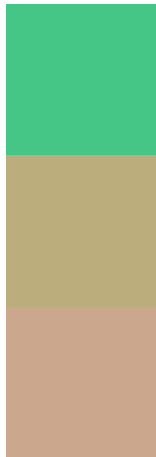


This preview shows how white text looks on a background with the Yxy color 43.3746, 0.2700, 0.4345.

# 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

43.3746, 0.2700, 0.4345

### Protanopia

42.4187, 0.3689, 0.3960

### Deuteranopia

42.6249, 0.3706, 0.3637



## Tritanopia

43.1345, 0.2399, 0.3070

# Trichromacy



## Original Color

43.3746, 0.2700, 0.4345



## Protanomaly

41.4452, 0.3229, 0.4117



## Deuteranomaly

40.9452, 0.3237, 0.3895



## Tritanomaly

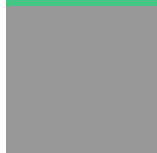
42.8852, 0.2500, 0.3489

# Monochromacy



## Original Color

43.3746, 0.2700, 0.4345



## Achromatopsia

31.3989, 0.3127, 0.3290



## Achromatomaly

34.5578, 0.2910, 0.3680

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 43.3746, 0.2700, 0.4345 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(69, 198, 134)` looks like.

```
.text, #text, p{  
    color:rgb(69, 198, 134)  
}
```

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(69, 198, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 198, 134) }
```

## Border

The CSS property to change the border of an element to Yxy 43.3746, 0.2700, 0.4345 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(69, 198, 134) }
```

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

```
.border{ border-color:rgb(69, 198, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 198, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 198, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 198, 134);  
box-shadow:4px 4px 4px 4px rgb(69, 198,  
134) }
```



# Background

The CSS property to change the background color of an element to Yxy 43.3746, 0.2700, 0.4345 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 198, 134) }
```

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

```
.background{ background-color: rgb(69, 198,  
134) }
```

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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