

# Converting Colors

$Yxy(45.6867, 0.2763, 0.4333)$

Have a look what the booklet for  
Yxy(45.6867, 0.2763, 0.4333)  
contains.

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# Color

**Yxy(45.9035, 0.2764, 0.4341)**

# Conversions

## Conversions Part 1

Format	Color
Hex	54CA88
RGB	84, 202, 136
RGB Percent	33%, 79%, 53%
CMY	0.6702, 0.2079, 0.4667
CMYK	0.58, 0.00, 0.33, 0.21
HSL	146°, 53%, 56%
HSV	146°, 58%, 79%
XYZ	29.2277, 45.9035, 30.6129
YIQ	159.1940, -49.1420, -45.5420

# Conversions

## Conversions Part 2

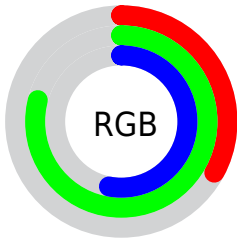
Format	Color
<a href="#">RYB</a>	<a href="#">84, 166, 202</a>
Decimal	<a href="#">5556872</a>
CIELab	<a href="#">73.48, -48.22, 23.26</a>
CIELCh	<a href="#">73, 53.533, 154.248</a>
Yxy	<a href="#">45.9035, 0.2764, 0.4341</a>
Android (android.graphics.Color)	<a href="#">4283746952 (0xFF54CA88)</a>
YUV	<a href="#">159.1940, -11.4346, -65.9451</a>
Hunter-Lab	<a href="#">67.7521, -41.5629, 20.6371</a>

# Details

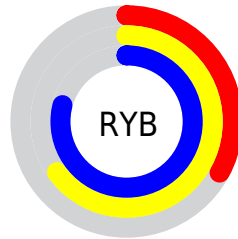
The Yxy color **45.9035, 0.2764, 0.4341** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **21.1179, 0.3870, 0.2473**, and the grayscale version is **34.8479, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.0773, 0.2835, 0.4077**, and **21.5393, 0.2635, 0.4685** is the 20% darker color. If you saturate the color by 10%, you get **44.7978, 0.2739, 0.4560**, and if you desaturate by 10%, it is **47.3157, 0.2805, 0.4127**.

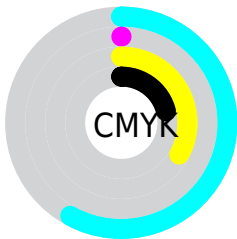
# Distribution



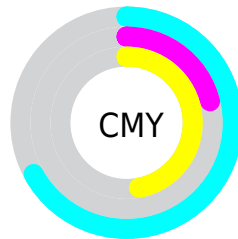
- Red (33%)
- Green (79%)
- Blue (53%)



- Red (33%)
- Yellow (65%)
- Blue (79%)



- Cyan (58%)
- Magenta (0%)
- Yellow (33%)
- Black (21%)




- Cyan (67%)
- Magenta (21%)
- Yellow (47%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.9035, 0.2764, 0.4341 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 45.9035, 0.2764, 0.4341 by changing the saturation by 10% instead.




 45.9035, 0.2764,  
0.4341


 45.9035, 0.2764,  
0.4341


370.4206, 0.2963,  
0.3781

 32.1697, 0.2709,  
0.4492


 84.0746, 0.2840,  
0.4129


 21.4911, 0.2634,  
0.4692


 109.2806, 0.2868,  
0.4052

 13.4835, 0.2529,  
0.4970


 139.0795, 0.2890,  
0.3988

 7.7623, 0.2369,  
0.5377

 173.8556, 0.2910,  
0.3934

 3.9432, 0.2107,  
0.6022

213.9934, 0.2926,  
0.3887

 1.6419, 0.1283,  
0.8717

259.8772, 0.2940,

 0.3856, 0.0000,

0.3847

1.0000

311.8915, 0.2952,  
0.3812

■ 0.0000, 0.0000,  
0.0000

■ 45.9035, 0.2764,  
0.4341

■ 45.9035, 0.2764,  
0.4341

■ 44.7978, 0.2739,  
0.4560

■ 47.3157, 0.2805,  
0.4127

■ 43.9680, 0.2733,  
0.4778

■ 49.0507, 0.2859,  
0.3924

■ 43.3871, 0.2746,  
0.4988

■ 51.1303, 0.2922,  
0.3735

■ 43.0108, 0.2776,  
0.5183

■ 53.5727, 0.2991,  
0.3563

■ 42.9579, 0.2782,  
0.5214

■ 56.3948, 0.3065,  
0.3407

■ 59.6124, 0.3139,  
0.3268

■ 63.2405, 0.3214,  
0.3146

■ 67.2931, 0.3287,  
0.3038

■ 69.6573, 0.3274,  
0.2933

# Harmonies

## Analogous

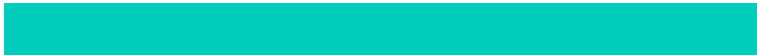
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



45.9035, 0.3480, 0.4674



45.9035, 0.2764, 0.4341



45.9035, 0.2184, 0.3593

# Triad

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



45.9035, 0.2764, 0.4341



45.9035, 0.2114, 0.2157



45.9035, 0.4565, 0.3467

# Complementary

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



45.9035, 0.2764, 0.4341



21.1179, 0.3870, 0.2473

# 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.



45.9035, 0.4113, 0.2933



45.9035, 0.2764, 0.4341



45.9035, 0.2640, 0.2217

# Square

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



45.9035, 0.2764, 0.4341



45.9035, 0.1855, 0.2353



45.9035, 0.3373, 0.2492



45.9035, 0.4556, 0.4021



# Rectangle

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



45.9035, 0.2764, 0.4341



45.9035, 0.1945, 0.3070



45.9035, 0.3373, 0.2492



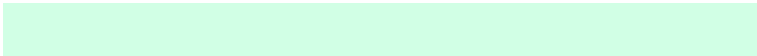
45.9035, 0.4462, 0.3284

# Sweetspot

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



45.9054, 0.2764, 0.4341



90.7642, 0.2992, 0.3561



49.4503, 0.3512, 0.4896



19.1517, 0.2971, 0.3610



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.



45.9054, 0.2764, 0.4341



75.4463, 0.2736, 0.4617



48.0288, 0.2447, 0.3403



12.6177, 0.3057, 0.3423



27.6622, 0.2775, 0.5189



1.4422, 0.2667, 0.4802



# Inverse Universe

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



21.1179, 0.3870, 0.2473



29.6493, 0.4117, 0.2359



19.6849, 0.4790, 0.3200



11.3171, 0.3204, 0.3161



8.8665, 0.4692, 0.2359



0.4725, 0.4325, 0.2156



# Previews

## White Background



This preview shows how the Yxy color 45.9035, 0.2764, 0.4341 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

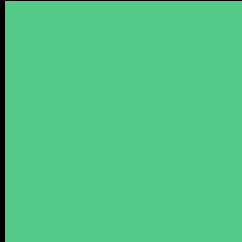
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 45.9035, 0.2764, 0.4341 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 45.9035, 0.2764, 0.4341**

## Background



This preview shows how black text looks on a background with the Yxy color 45.9035, 0.2764, 0.4341.



This preview shows how white text looks on a background with the Yxy color 45.9035, 0.2764, 0.4341.

# 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

45.9035, 0.2764, 0.4341

### Protanopia

45.0840, 0.3700, 0.3983

### Deuteranopia

45.0435, 0.3731, 0.3653



## Tritanopia

45.8075, 0.2442, 0.3063

# Trichromacy



## Original Color

45.9035, 0.2764, 0.4341



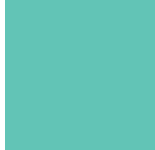
## Protanomaly

43.9247, 0.3277, 0.4120



## Deuteranomaly

43.6529, 0.3304, 0.3900



## Tritanomaly

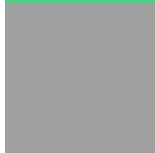
45.4539, 0.2556, 0.3498

# Monochromacy



## Original Color

45.9035, 0.2764, 0.4341



## Achromatopsia

34.6704, 0.3127, 0.3290



## Achromatomaly

37.7998, 0.2949, 0.3663

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.9035, 0.2764, 0.4341 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, 202, 136)` looks like.

```
.text, #text, p{  
    color:rgb(84, 202, 136)  
}
```

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, 202, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 202, 136) }
```

## Border

The CSS property to change the border of an element to Yxy 45.9035, 0.2764, 0.4341 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, 202, 136) }
```

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

```
.border{ border-color:rgb(84, 202, 136) }
```

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

Here you see how a box with a 4 pixel rgb(84, 202, 136) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 202, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 202, 136);  
box-shadow:4px 4px 4px 4px rgb(84, 202,  
136) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.9035, 0.2764, 0.4341 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 202, 136) }
```

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

```
.background{ background-color: rgb(84, 202,  
136) }
```

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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