

# Converting Colors

$Yxy(43.0944, 0.2674, 0.4485)$

Have a look what the booklet for  
Yxy(43.0944, 0.2674, 0.4485)  
contains.

<b>Yxy(43.1354, 0.2673, 0.4481)</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

**Yxy(43.1354, 0.2673, 0.4481)**

# Conversions

## Conversions Part 1

Format	Color
Hex	34C780
RGB	52, 199, 128
RGB Percent	20%, 78%, 50%
CMY	0.7966, 0.2196, 0.4980
CMYK	0.74, 0.00, 0.36, 0.22
HSL	151°, 59%, 49%
HSV	151°, 74%, 78%
XYZ	25.7311, 43.1354, 27.3964
YIQ	146.9530, -64.8210, -53.2450

# Conversions

## Conversions Part 2

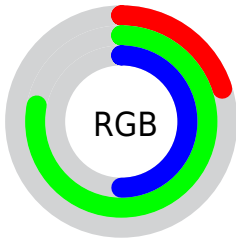
Format	Color
<a href="#">RYB</a>	<a href="#">52, 149, 199</a>
Decimal	<a href="#">3458944</a>
CIELab	<a href="#">71.65, -54.34, 24.85</a>
CIELCh	<a href="#">72, 59.750, 155.421</a>
Yxy	<a href="#">43.1354, 0.2673, 0.4481</a>
Android (android.graphics.Color)	<a href="#">4281649024 (0xFF34C780)</a>
YUV	<a href="#">146.9530, -9.3438, -83.2738</a>
Hunter-Lab	<a href="#">65.6775, -45.0032, 21.2423</a>

# Details

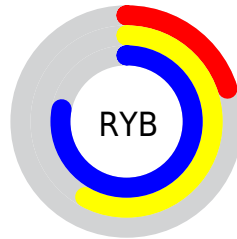
The Yxy color **43.1354, 0.2673, 0.4481** is a dark color, and the websafe version is hex **33CC99**. The color can be described as dark muted spring green. A complement of this color would be **16.0135, 0.4384, 0.2477**, and the grayscale version is **29.2015, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.7781, 0.2770, 0.4220**, and **20.4966, 0.2676, 0.4833** is the 20% darker color. If you saturate the color by 10%, you get **42.4761, 0.2673, 0.4669**, and if you desaturate by 10%, it is **44.0443, 0.2693, 0.4292**.

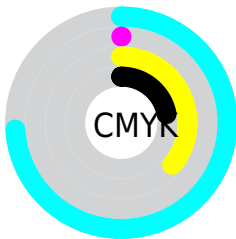
# Distribution



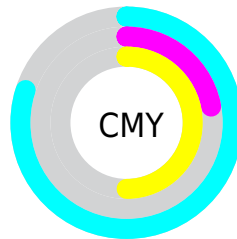
- Red (20%)
- Green (78%)
- Blue (50%)



- Red (20%)
- Yellow (58%)
- Blue (78%)



- Cyan (74%)
- Magenta (0%)
- Yellow (36%)
- Black (22%)




- Cyan (80%)
- Magenta (22%)
- Yellow (50%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 43.1354, 0.2673, 0.4481 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 43.1354, 0.2673, 0.4481 by changing the saturation by 10% instead.





 43.1354, 0.2673,  
0.4481


 43.1354, 0.2673,  
0.4481


359.1683, 0.2924,  
0.3836


 29.9914, 0.2602,  
0.4658


 79.9151, 0.2770,  
0.4235

 19.8320, 0.2507,  
0.4896


 104.3196, 0.2805,  
0.4146

 12.2730, 0.2370,  
0.5228


 133.2464, 0.2833,  
0.4072

 6.9299, 0.2163,  
0.5722

 167.0799, 0.2857,  
0.4010

 3.4183, 0.1823,  
0.6516

 206.2044, 0.2877,  
0.3957

 1.3538, 0.0000,  
1.0000

251.0044, 0.2895,

 0.1823, 0.0000,

0.3911

1.0000

301.8642, 0.2910,  
0.3871

■ 0.0000, 0.0000,  
0.0000

■ 43.1354, 0.2673,  
0.4481

■ 43.1354, 0.2673,  
0.4481

■ 42.4761, 0.2673,  
0.4669

■ 44.0443, 0.2693,  
0.4292

■ 42.0305, 0.2692,  
0.4850

■ 45.2233, 0.2732,  
0.4106

■ 41.8310, 0.2710,  
0.4956

■ 46.6962, 0.2786,  
0.3927

■ 48.4830, 0.2852,  
0.3759

■ 50.6017, 0.2927,  
0.3605

■ 53.0690, 0.3009,  
0.3463

■ 55.9004, 0.3093,  
0.3336

■ 59.1104, 0.3179,  
0.3223

■ 62.7128, 0.3265,  
0.3123

# Harmonies

## Analogous

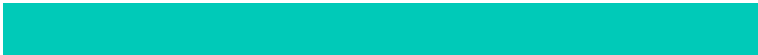
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



43.1354, 0.3472, 0.4875



43.1354, 0.2673, 0.4481



43.1354, 0.2042, 0.3592

# Triad

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



43.1354, 0.2673, 0.4481



43.1354, 0.2011, 0.2024



43.1354, 0.4771, 0.3489

# Complementary

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



43.1354, 0.2673, 0.4481



16.0135, 0.4384, 0.2477

# 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.



43.1354, 0.4278, 0.2903



43.1354, 0.2673, 0.4481



43.1354, 0.2601, 0.2104

# Square

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



43.1354, 0.2673, 0.4481



43.1354, 0.1718, 0.2217



43.1354, 0.3434, 0.2415



43.1354, 0.4722, 0.4104

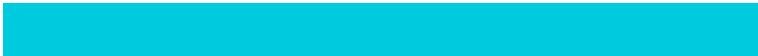


# Rectangle

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



43.1354, 0.2673, 0.4481



43.1354, 0.1791, 0.2993



43.1354, 0.3434, 0.2415



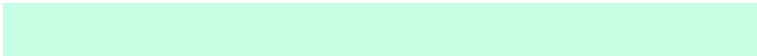
43.1354, 0.4664, 0.3287

# Sweetspot

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



43.1371, 0.2673, 0.4481



89.2462, 0.2940, 0.3581



45.3082, 0.3438, 0.5333



18.8653, 0.2918, 0.3621



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.



43.1371, 0.2673, 0.4481



73.8275, 0.2683, 0.4785



44.5826, 0.2303, 0.3251



11.9780, 0.3047, 0.3404



26.9128, 0.2703, 0.4932



1.2889, 0.2600, 0.4560



# Inverse Universe

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



16.0135, 0.4384, 0.2477



23.9147, 0.4805, 0.2486



15.0578, 0.5623, 0.3320



10.7208, 0.3215, 0.3179



8.3684, 0.5013, 0.2535



0.4109, 0.4539, 0.2274



# Previews

## White Background



This preview shows how the Yxy color 43.1354, 0.2673, 0.4481 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 43.1354, 0.2673, 0.4481 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 43.1354, 0.2673, 0.4481**

## Background



This preview shows how black text looks on a background with the Yxy color 43.1354, 0.2673, 0.4481.

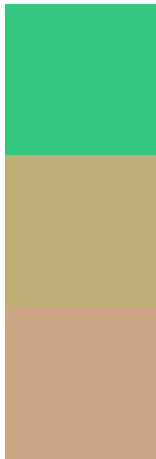


This preview shows how white text looks on a background with the Yxy color 43.1354, 0.2673, 0.4481.

# 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**

43.1354, 0.2673, 0.4481

**Protanopia**

42.3753, 0.3759, 0.4049

**Deuteranopia**

42.2241, 0.3776, 0.3700



## Tritanopia

43.1660, 0.2358, 0.3068

# Trichromacy



## Original Color

43.1354, 0.2673, 0.4481



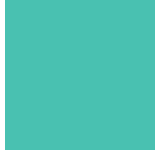
## Protanomaly

40.7364, 0.3230, 0.4240



## Deuteranomaly

40.2957, 0.3240, 0.3995



## Tritanomaly

42.7307, 0.2464, 0.3539

# Monochromacy



## Original Color

43.1354, 0.2673, 0.4481



## Achromatopsia

29.1771, 0.3127, 0.3290



## Achromatomaly

32.6106, 0.2865, 0.3729

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 43.1354, 0.2673, 0.4481 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(52, 199, 128)` looks like.

```
.text, #text, p{  
  color:rgb(52, 199, 128)  
}
```

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(52, 199, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 199, 128) }
```

## Border

The CSS property to change the border of an element to Yxy 43.1354, 0.2673, 0.4481 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(52, 199, 128) }
```

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

```
.border{ border-color:rgb(52, 199, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 199, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 199, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 199, 128);  
box-shadow:4px 4px 4px 4px rgb(52, 199,  
128) }
```



# Background

The CSS property to change the background color of an element to Yxy 43.1354, 0.2673, 0.4481 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 199, 128) }
```

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

```
.background{ background-color: rgb(52, 199,  
128) }
```

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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