

# Converting Colors

$Yxy(45.8617, 0.2654, 0.4380)$

Have a look what the booklet for  
Yxy(45.8617, 0.2654, 0.4380)  
contains.

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# Color

**Yxy(45.8617, 0.2654, 0.4380)**

# Conversions

## Conversions Part 1

Format	Color
Hex	39CC89
RGB	57, 204, 137
RGB Percent	22%, 80%, 54%
CMY	0.7771, 0.2000, 0.4627
CMYK	0.72, 0.00, 0.33, 0.20
HSL	153°, 59%, 51%
HSV	153°, 72%, 80%
XYZ	27.7893, 45.8617, 31.0561
YIQ	152.4090, -66.1050, -52.0010

# Conversions

## Conversions Part 2

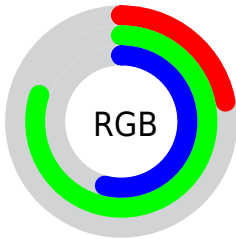
Format	Color
<a href="#">RYB</a>	<a href="#">57, 152, 204</a>
Decimal	<a href="#">3787913</a>
CIELab	<a href="#">73.46, -53.73, 22.58</a>
CIELCh	<a href="#">73, 58.282, 157.203</a>
Yxy	<a href="#">45.8617, 0.2654, 0.4380</a>
Android (android.graphics.Color)	<a href="#">4281977993 (0xFF39CC89)</a>
YUV	<a href="#">152.4090, -7.5966, -83.6737</a>
Hunter-Lab	<a href="#">67.7213, -45.2652, 20.2152</a>

# Details

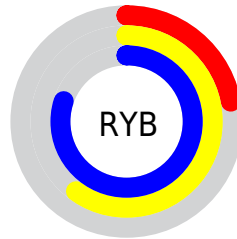
The Yxy color **45.8617, 0.2654, 0.4380** is a dark color, and the websafe version is hex **33CC99**. The color can be described as dark muted spring green. A complement of this color would be **17.2021, 0.4413, 0.2531**, and the grayscale version is **31.6231, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.4925, 0.2740, 0.4084**, and **22.1830, 0.2636, 0.4691** is the 20% darker color. If you saturate the color by 10%, you get **45.1260, 0.2648, 0.4558**, and if you desaturate by 10%, it is **46.8645, 0.2680, 0.4202**.

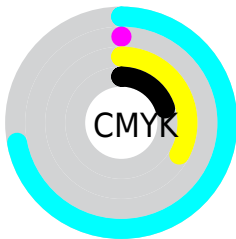
# Distribution



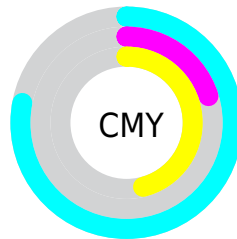
- Red (22%)
- Green (80%)
- Blue (54%)



- Red (22%)
- Yellow (60%)
- Blue (80%)



- Cyan (72%)
- Magenta (0%)
- Yellow (33%)
- Black (20%)




- Cyan (78%)
- Magenta (20%)
- Yellow (46%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.8617, 0.2654, 0.4380 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 45.8617, 0.2654, 0.4380 by changing the saturation by 10% instead.





 45.8617, 0.2654,  
0.4380


 45.8617, 0.2654,  
0.4380


370.2524, 0.2908,  
0.3798


 32.1367, 0.2585,  
0.4537


 84.0120, 0.2751,  
0.4159

 21.4659, 0.2492,  
0.4747


 109.2061, 0.2786,  
0.4079

 13.4650, 0.2363,  
0.5037


 138.9919, 0.2815,  
0.4013

 7.7495, 0.2173,  
0.5464

 173.7540, 0.2839,  
0.3956

 3.9351, 0.1868,  
0.6139

 213.8767, 0.2860,  
0.3908

 1.6373, 0.0584,  
0.9174

259.7444, 0.2879,

 0.3826, 0.0000,

0.3866

1.0000

311.7415, 0.2894,  
0.3830

■ 0.0000, 0.0000,  
0.0000

■ 45.8617, 0.2654,  
0.4380

■ 45.8617, 0.2654,  
0.4380

■ 45.1260, 0.2648,  
0.4558

■ 46.8645, 0.2680,  
0.4202

■ 44.6206, 0.2663,  
0.4732

■ 48.1554, 0.2723,  
0.4028

■ 44.3422, 0.2685,  
0.4864

■ 49.7591, 0.2782,  
0.3861

■ 51.6962, 0.2853,  
0.3705

■ 53.9857, 0.2933,  
0.3562

■ 56.6448, 0.3019,  
0.3431

■ 59.6898, 0.3108,  
0.3313

■ 63.1358, 0.3198,  
0.3209

■ 66.9973, 0.3287,  
0.3116

# Harmonies

## Analogous

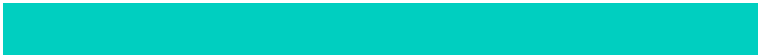
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



45.8617, 0.3420, 0.4796



45.8617, 0.2654, 0.4380



45.8617, 0.2059, 0.3528

# Triad

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



45.8617, 0.2654, 0.4380



45.8617, 0.2080, 0.2068



45.8617, 0.4712, 0.3525

# Complementary

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



45.8617, 0.2654, 0.4380



17.2021, 0.4413, 0.2531

# 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.



45.8617, 0.4268, 0.2953



45.8617, 0.2654, 0.4380



45.8617, 0.2667, 0.2158

# Square

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



45.8617, 0.2654, 0.4380



45.8617, 0.1777, 0.2241



45.8617, 0.3474, 0.2471



45.8617, 0.4642, 0.4117

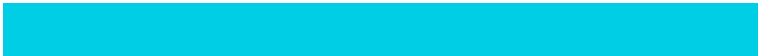


# Rectangle

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



45.8617, 0.2654, 0.4380



45.8617, 0.1828, 0.2965



45.8617, 0.3474, 0.2471



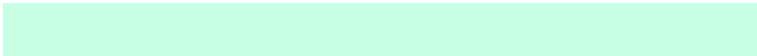
45.8617, 0.4619, 0.3329

# Sweetspot

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



45.8635, 0.2654, 0.4380



89.3311, 0.2932, 0.3564



47.8853, 0.3421, 0.5308



18.8854, 0.2909, 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.



45.8635, 0.2654, 0.4380



74.1785, 0.2655, 0.4664



46.1219, 0.2302, 0.3215



12.6375, 0.3043, 0.3398



27.9246, 0.2678, 0.4841



1.4558, 0.2586, 0.4508



# Inverse Universe

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



17.2021, 0.4413, 0.2531



24.0818, 0.4852, 0.2534



16.5517, 0.5525, 0.3343



11.2972, 0.3220, 0.3185



8.5944, 0.5130, 0.2600

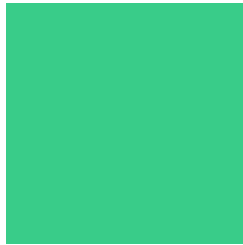


0.4586, 0.4659, 0.2340



# Previews

## White Background



This preview shows how the Yxy color 45.8617, 0.2654, 0.4380 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 45.8617, 0.2654, 0.4380 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 45.8617, 0.2654, 0.4380**

## Background



This preview shows how black text looks on a background with the Yxy color 45.8617, 0.2654, 0.4380.

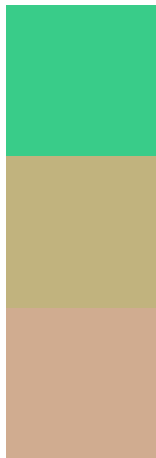


This preview shows how white text looks on a background with the Yxy color 45.8617, 0.2654, 0.4380.

# 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

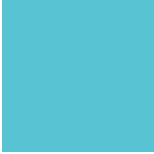
45.8617, 0.2654, 0.4380

### Protanopia

45.0840, 0.3700, 0.3983

### Deuteranopia

44.9286, 0.3712, 0.3642



## **Tritanopia**

45.8081, 0.2358, 0.3060

# Trichromacy



## Original Color

45.8617, 0.2654, 0.4380



## Protanomaly

43.4178, 0.3190, 0.4155



## Deuteranomaly

42.9764, 0.3198, 0.3917



## Tritanomaly

45.4266, 0.2459, 0.3501

# Monochromacy



## Original Color

45.8617, 0.2654, 0.4380



## Achromatopsia

31.3989, 0.3127, 0.3290



## Achromatomaly

35.0143, 0.2856, 0.3681

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.8617, 0.2654, 0.4380 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(57, 204, 137)` looks like.

```
.text, #text, p{  
    color:rgb(57, 204, 137)  
}
```

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(57, 204, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 204, 137) }
```

## Border

The CSS property to change the border of an element to Yxy 45.8617, 0.2654, 0.4380 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(57, 204, 137) }
```

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

```
.border{ border-color:rgb(57, 204, 137) }
```

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

Here you see how a box with a 4 pixel rgb(57, 204, 137) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 204, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 204, 137);  
box-shadow:4px 4px 4px 4px rgb(57, 204,  
137) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.8617, 0.2654, 0.4380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 204, 137) }
```

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

```
.background{ background-color: rgb(57, 204,  
137) }
```

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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