

# Converting Colors

$Y_{xy}(57.2994, 0.2450, 0.3960)$

Have a look what the booklet for  
Yxy(57.2994, 0.2450, 0.3960)  
contains.

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# Color

**Yxy(57.2993, 0.2451, 0.3963)**

# Conversions

## Conversions Part 1

Format	Color
Hex	18E1B3
RGB	24, 225, 179
RGB Percent	9%, 88%, 70%
CMY	0.9062, 0.1176, 0.2980
CMYK	0.89, 0.00, 0.20, 0.12
HSL	166°, 81%, 49%
HSV	166°, 89%, 88%
XYZ	35.4379, 57.2993, 51.8484
YIQ	159.6570, -105.0300, -56.9180

# Conversions

## Conversions Part 2

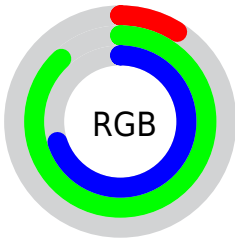
<b>Format</b>	<b>Color</b>
<b>RYB</b>	24, 137, 225
Decimal	1630643
CIELab	80.35, -55.42, 9.94
CIELCh	80, 56.305, 169.834
Yxy	57.2993, 0.2451, 0.3963
Android (android.graphics.Color)	4279820723 (0xFF18E1B3)
YUV	159.6570, 9.5361, -118.9712
Hunter-Lab	75.6963, -48.9020, 12.3765

# Details

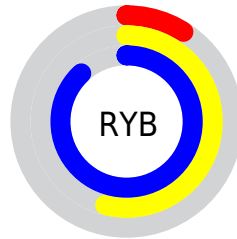
The Yxy color **57.2993, 0.2451, 0.3963** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **17.0987, 0.5704, 0.3003**, and the grayscale version is **34.9680, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.0289, 0.2505, 0.3526**, and **29.5116, 0.2475, 0.4111** is the 20% darker color. If you saturate the color by 10%, you get **56.9132, 0.2458, 0.4047**, and if you desaturate by 10%, it is **57.9110, 0.2460, 0.3878**.

# Distribution



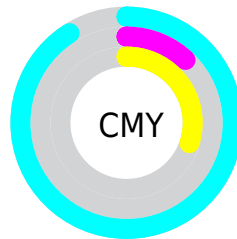
- Red (9%)
- Green (88%)
- Blue (70%)



- Red (9%)
- Yellow (54%)
- Blue (88%)



- Cyan (89%)
- Magenta (0%)
- Yellow (20%)
- Black (12%)



- Cyan (91%)
- Magenta (12%)
- Yellow (30%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 57.2993, 0.2451, 0.3963 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 57.2993, 0.2451, 0.3963 by changing the saturation by 10% instead.





 57.2993, 0.2451,  
0.3963

 57.2993, 0.2451,  
0.3963


414.5699, 0.2781,  
0.3626


 41.2456, 0.2371,  
0.4047


 100.9018, 0.2569,  
0.3841


 28.5110, 0.2271,  
0.4155


 129.2193, 0.2614,  
0.3795


 18.7112, 0.2140,  
0.4297


 162.3936, 0.2652,  
0.3756

 11.4618, 0.1964,  
0.4495

 200.8090, 0.2685,  
0.3722

 6.3784, 0.1716,  
0.4786

 244.8500, 0.2714,  
0.3693

 3.0765, 0.1345,  
0.5250

294.9008, 0.2739,

 1.1718, 0.0000,

0.3668

0.6796

351.3460, 0.2761,  
0.3646

■ 0.0385, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 57.2993, 0.2451,  
0.3963

■ 57.2993, 0.2451,  
0.3963

■ 56.9132, 0.2458,  
0.4047


■ 57.9110, 0.2460,  
0.3878

■ 56.8916, 0.2459,  
0.4052


■ 58.8025, 0.2489,  
0.3793


■ 60.0136, 0.2538,  
0.3709


■ 61.5759, 0.2606,  
0.3627

 63.5172, 0.2690,  
0.3549

 65.8626, 0.2787,  
0.3475

 68.6348, 0.2896,  
0.3407

 71.8549, 0.3013,  
0.3344

 75.5426, 0.3135,  
0.3287

# Harmonies

## Analogous

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



57.2993, 0.3106, 0.4537



57.2993, 0.2451, 0.3963



57.2993, 0.2010, 0.3184

# Triad

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



57.2993, 0.2451, 0.3963



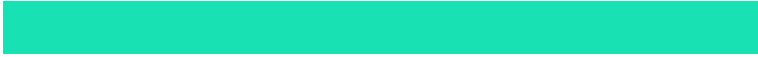
57.2993, 0.2372, 0.2181



57.2993, 0.4586, 0.3752

# Complementary

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



57.2993, 0.2451, 0.3963



17.0987, 0.5704, 0.3003

# 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.



57.2993, 0.4371, 0.3208



57.2993, 0.2451, 0.3963



57.2993, 0.3007, 0.2354

# Square

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



57.2993, 0.2451, 0.3963



57.2993, 0.1979, 0.2239



57.2993, 0.3761, 0.2717



57.2993, 0.4356, 0.4269

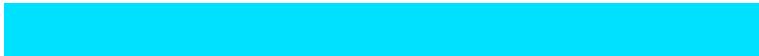


# Rectangle

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



57.2993, 0.2451, 0.3963



57.2993, 0.1874, 0.2742



57.2993, 0.3761, 0.2717



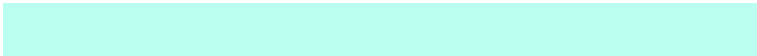
57.2993, 0.4566, 0.3569

# Sweetspot

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



57.3015, 0.2451, 0.3963



88.2250, 0.2810, 0.3460



55.2518, 0.3128, 0.5823



18.6321, 0.2774, 0.3484



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.



57.3015, 0.2451, 0.3963



75.5369, 0.2461, 0.4058



34.8988, 0.2043, 0.2493



15.5159, 0.3012, 0.3344



32.8005, 0.2455, 0.4039



2.2868, 0.2419, 0.3909



# Inverse Universe

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



17.0987, 0.5704, 0.3003



21.5687, 0.6038, 0.3100



21.4567, 0.5789, 0.3663



13.7516, 0.3256, 0.3237



9.3791, 0.5987, 0.3072

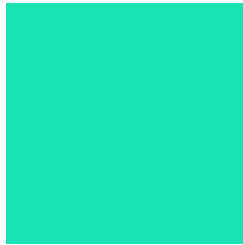


0.6637, 0.5552, 0.2832



# Previews

## White Background



This preview shows how the Yxy color 57.2993, 0.2451, 0.3963 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

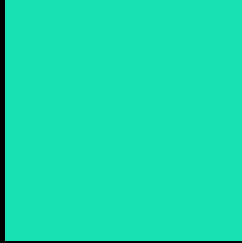
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 57.2993, 0.2451, 0.3963 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

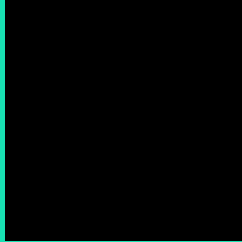
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 57.2993, 0.2451, 0.3963**

## **Background**



This preview shows how black text looks on a background with the Yxy color 57.2993, 0.2451, 0.3963.

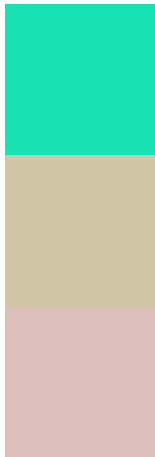


This preview shows how white text looks on a background with the Yxy color 57.2993, 0.2451, 0.3963.

# 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

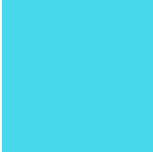
57.2993, 0.2451, 0.3963

### Protanopia

56.0590, 0.3461, 0.3677

### Deuteranopia

56.2216, 0.3408, 0.3337



## **Tritanopia**

56.9635, 0.2271, 0.3051

# Trichromacy



## Original Color

57.2993, 0.2451, 0.3963



## Protanomaly

53.1906, 0.2899, 0.3802



## Deuteranomaly

52.5621, 0.2861, 0.3546



## Tritanomaly

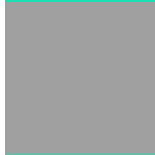
56.8770, 0.2324, 0.3357

# Monochromacy



## Original Color

57.2993, 0.2451, 0.3963



## Achromatopsia

35.1533, 0.3127, 0.3290



## Achromatomaly

40.4505, 0.2693, 0.3552

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 57.2993, 0.2451, 0.3963 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(24, 225, 179)` looks like.

```
.text, #text, p{  
    color:rgb(24, 225, 179)  
}
```

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(24, 225, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 225, 179) }
```

## Border

The CSS property to change the border of an element to Yxy 57.2993, 0.2451, 0.3963 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(24, 225, 179) }
```

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

```
.border{ border-color:rgb(24, 225, 179) }
```

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

Here you see how a box with a 4 pixel rgb(24, 225, 179) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 225, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 225, 179);  
box-shadow:4px 4px 4px 4px rgb(24, 225,  
179) }
```



# Background

The CSS property to change the background color of an element to Yxy 57.2993, 0.2451, 0.3963 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 225, 179) }
```

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

```
.background{ background-color: rgb(24, 225,  
179) }
```

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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