

# Converting Colors

$Y_{xy}(53.5901, 0.2141, 0.4191)$

Have a look what the booklet for  
Yxy(53.5901, 0.2141, 0.4191)  
contains.

<b>Yxy(57.2950, 0.2478, 0.4121)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(57.2950, 0.2478, 0.4121)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00E2AA
RGB	0, 226, 170
RGB Percent	0%, 89%, 67%
CMY	1.0000, 0.1137, 0.3332
CMYK	1.00, 0.00, 0.25, 0.11
HSL	165°, 100%, 44%
HSV	165°, 100%, 89%
XYZ	34.4521, 57.2950, 47.2847
YIQ	152.0420, -116.7200, -65.3280

# Conversions

## Conversions Part 2

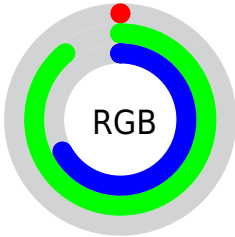
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 129, 226
Decimal	58026
CIELab	80.35, -58.78, 14.66
CIElCh	80, 60.579, 165.998
Yxy	57.2950, 0.2478, 0.4121
Android (android.graphics.Color)	4278248106 (0xFF00E2AA)
YUV	152.0420, 8.8533, -133.3408
Hunter-Lab	75.6935, -51.2188, 15.9477

# Details

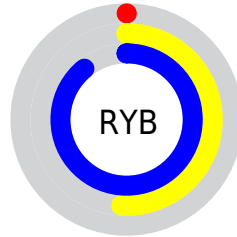
The Yxy color **57.2950, 0.2478, 0.4121** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **16.4548, 0.5967, 0.3061**, and the grayscale version is **31.4194, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.1444, 0.2531, 0.3652**, and **29.6839, 0.2527, 0.4296** is the 20% darker color. If you saturate the color by 10%, you get **57.2982, 0.2478, 0.4121**, and if you desaturate by 10%, it is **57.6922, 0.2468, 0.4029**.

# Distribution



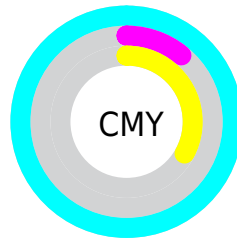
- Red (0%)
- Green (89%)
- Blue (67%)



- Red (0%)
- Yellow (51%)
- Blue (89%)



- Cyan (100%)
- Magenta (0%)
- Yellow (25%)
- Black (11%)




- Cyan (100%)
- Magenta (11%)
- Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 57.2950, 0.2478, 0.4121 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 57.2950, 0.2478, 0.4121 by changing the saturation by 10% instead.




 57.2950, 0.2478,  
0.4121


 57.2950, 0.2478,  
0.4121


414.5538, 0.2799,  
0.3699


 41.2421, 0.2399,  
0.4228


 100.8955, 0.2594,  
0.3967


 28.5083, 0.2299,  
0.4365


 129.2119, 0.2638,  
0.3909


 18.7092, 0.2168,  
0.4549


 162.3850, 0.2675,  
0.3860

 11.4603, 0.1989,  
0.4806

 200.7991, 0.2707,  
0.3819

 6.3774, 0.1734,  
0.5190

 244.8386, 0.2734,  
0.3783

 3.0759, 0.1335,  
0.5817

294.8880, 0.2759,

 1.1715, 0.0000,

0.3751

0.8405

351.3316, 0.2780,  
0.3724

■ 0.0382, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 57.2950, 0.2478,  
0.4121

■ 57.2950, 0.2478,  
0.4121

■ 57.2982, 0.2478,  
0.4121

■ 57.6922, 0.2468,  
0.4029

■ 58.3027, 0.2475,  
0.3936

■ 59.1969, 0.2501,  
0.3843

■ 60.4131, 0.2547,  
0.3751

■ 61.9837, 0.2612,  
0.3662

■ 63.9371, 0.2693,  
0.3577

■ 66.2986, 0.2788,  
0.3496

■ 69.0915, 0.2894,  
0.3421

■ 72.3371, 0.3008,  
0.3352

# Harmonies

## Analogous

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



57.2950, 0.3193, 0.4684



57.2950, 0.2478, 0.4121



57.2950, 0.1977, 0.3273

# Triad

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



57.2950, 0.2478, 0.4121



57.2950, 0.2251, 0.2104



57.2950, 0.4691, 0.3694

# Complementary

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



57.2950, 0.2478, 0.4121



16.4548, 0.5967, 0.3061

# 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.



57.2950, 0.4401, 0.3124



57.2950, 0.2478, 0.4121



57.2950, 0.2897, 0.2259

# Square

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



57.2950, 0.2478, 0.4121



57.2950, 0.1873, 0.2195



57.2950, 0.3704, 0.2620



57.2950, 0.4491, 0.4258

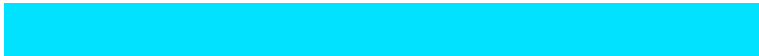


# Rectangle

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



57.2950, 0.2478, 0.4121



57.2950, 0.1810, 0.2776



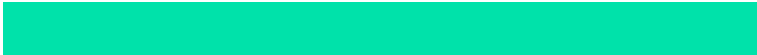
57.2950, 0.3704, 0.2620



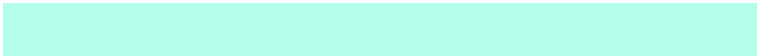
57.2950, 0.4650, 0.3501

# Sweetspot

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



57.2982, 0.2478, 0.4121



87.1034, 0.2786, 0.3498



55.2503, 0.3095, 0.5925



18.3482, 0.2744, 0.3531



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.



57.2982, 0.2478, 0.4121



75.3186, 0.2480, 0.4127



34.0547, 0.2013, 0.2448



15.5113, 0.3015, 0.3349



32.7071, 0.2474, 0.4106



2.2810, 0.2435, 0.3965



# Inverse Universe

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



16.4548, 0.5967, 0.3061



21.6207, 0.5983, 0.3069



19.0466, 0.6098, 0.3540



13.7559, 0.3253, 0.3232



9.4030, 0.5929, 0.3040

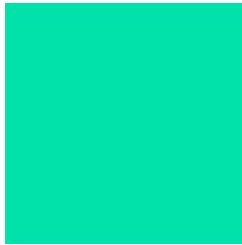


0.6659, 0.5490, 0.2798



# Previews

## White Background



This preview shows how the Yxy color 57.2950, 0.2478, 0.4121 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 57.2950, 0.2478, 0.4121 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

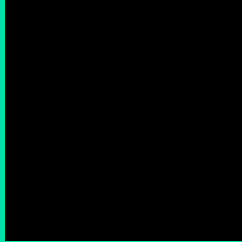
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 57.2950, 0.2478, 0.4121**

## **Background**



This preview shows how black text looks on a background with the Yxy color 57.2950, 0.2478, 0.4121.



This preview shows how white text looks on a background with the Yxy color 57.2950, 0.2478, 0.4121.

# 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

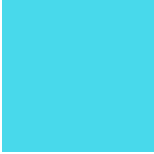
57.2950, 0.2478, 0.4121

### Protanopia

56.0344, 0.3548, 0.3784

### Deuteranopia

55.8886, 0.3509, 0.3429



## **Tritanopia**

57.0016, 0.2274, 0.3051

# Trichromacy



## Original Color

57.2950, 0.2478, 0.4121



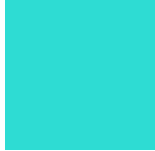
## Protanomaly

52.7533, 0.2909, 0.3954



## Deuteranomaly

51.6467, 0.2878, 0.3677



## Tritanomaly

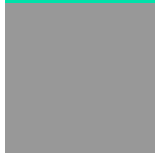
56.4704, 0.2326, 0.3413

# Monochromacy



## Original Color

57.2950, 0.2478, 0.4121



## Achromatopsia

31.3989, 0.3127, 0.3290



## Achromatomaly

37.2848, 0.2647, 0.3615

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  57.2950, 0.2478, 0.4121 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(0, 226, 170)` looks like.

```
.text, #text, p{  
  color:rgb(0, 226, 170)  
}
```

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(0, 226, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 226, 170) }
```

## Border

The CSS property to change the border of an element to Yxy 57.2950, 0.2478, 0.4121 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(0, 226, 170) }
```

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

```
.border{ border-color:rgb(0, 226, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 226, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 226, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 226, 170);  
box-shadow:4px 4px 4px 4px rgb(0, 226,  
170) }
```



# Background

The CSS property to change the background color of an element to Yxy 57.2950, 0.2478, 0.4121 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 226, 170) }
```

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

```
.background{ background-color: rgb(0, 226,  
170) }
```

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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