

# Converting Colors

$Yxy(55.0848, 0.2662, 0.4783)$

Have a look what the booklet for  
Yxy(55.0848, 0.2662, 0.4783)  
contains.

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# Color

**Yxy(54.8698, 0.2661, 0.4779)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00E080
RGB	0, 224, 128
RGB Percent	0%, 88%, 50%
CMY	0.9992, 0.1216, 0.4981
CMYK	1.00, 0.00, 0.43, 0.12
HSL	154°, 100%, 44%
HSV	154°, 100%, 88%
XYZ	30.5521, 54.8698, 29.3925
YIQ	146.0800, -102.6880, -77.3440

# Conversions

## Conversions Part 2

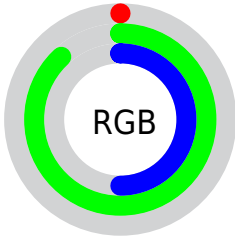
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 143, 224
Decimal	57472
CIELab	78.97, -66.83, 34.48
CIELCh	79, 75.198, 152.711
Yxy	54.8698, 0.2661, 0.4779
Android (android.graphics.Color)	4278247552 (0xFF00E080)
YUV	146.0800, -8.9134, -128.1122
Hunter-Lab	74.0742, -56.0069, 28.3257

# Details

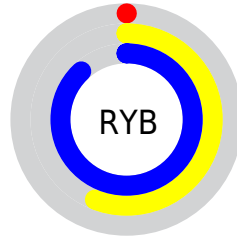
The Yxy color **54.8698, 0.2661, 0.4779** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **16.7011, 0.5285, 0.2686**, and the grayscale version is **28.8737, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.0232, 0.2718, 0.4218**, and **28.1733, 0.2756, 0.5123** is the 20% darker color. If you saturate the color by 10%, you get **54.8684, 0.2661, 0.4780**, and if you desaturate by 10%, it is **55.3134, 0.2635, 0.4618**.

# Distribution



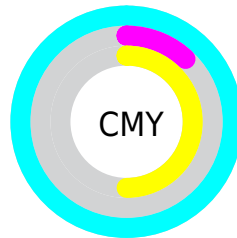
- Red (0%)
- Green (88%)
- Blue (50%)



- Red (0%)
- Yellow (56%)
- Blue (88%)



- Cyan (100%)
- Magenta (0%)
- Yellow (43%)
- Black (12%)




- Cyan (100%)
- Magenta (12%)
- Yellow (50%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 54.8698, 0.2661, 0.4779 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 54.8698, 0.2661, 0.4779 by changing the saturation by 10% instead.





 54.8698, 0.2661,  
0.4779


 54.8698, 0.2661,  
0.4779

405.4182, 0.2920,  
0.3995

 39.2975, 0.2589,  
0.4985


 97.3502, 0.2761,  
0.4486


 26.9912, 0.2492,  
0.5253


 125.0270, 0.2797,  
0.4378


 17.5666, 0.2356,  
0.5616


 157.5075, 0.2826,  
0.4288

 10.6393, 0.2155,  
0.6127

 195.1760, 0.2851,  
0.4211

 5.8249, 0.1839,  
0.6879

 238.4169, 0.2872,  
0.4146

 2.7389, 0.1174,  
0.8826

287.6147, 0.2890,

 0.9970, 0.0000,

0.4089

1.0000

343.1536, 0.2906,  
0.4039

■ 0.0000, 0.0000,  
0.0000

■ 54.8698, 0.2661,  
0.4779

■ 54.8698, 0.2661,  
0.4779

■ 54.8684, 0.2661,  
0.4780

■ 55.3134, 0.2635,  
0.4618

■ 55.9837, 0.2626,  
0.4452

■ 56.9483, 0.2637,  
0.4283

■ 58.2454, 0.2669,  
0.4115

■ 59.9070, 0.2718,  
0.3952

■ 61.9612, 0.2783,  
0.3797

■ 64.4334, 0.2859,  
0.3652

■ 67.3466, 0.2944,  
0.3519

■ 70.7222, 0.3034,  
0.3398

# Harmonies

## Analogous

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



54.8698, 0.3569, 0.5139



54.8698, 0.2661, 0.4779



54.8698, 0.1931, 0.3733

# Triad

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



54.8698, 0.2661, 0.4779



54.8698, 0.1821, 0.1867



54.8698, 0.5000, 0.3418

# Complementary

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



54.8698, 0.2661, 0.4779



16.7011, 0.5285, 0.2686

# 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.



54.8698, 0.4383, 0.2782



54.8698, 0.2661, 0.4779



54.8698, 0.2445, 0.1936

# Square

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



54.8698, 0.2661, 0.4779



54.8698, 0.1530, 0.2096



54.8698, 0.3379, 0.2258



54.8698, 0.4971, 0.4103



# Rectangle

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



54.8698, 0.2661, 0.4779



54.8698, 0.1639, 0.3011



54.8698, 0.3379, 0.2258



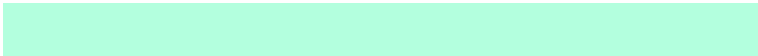
54.8698, 0.4862, 0.3199

# Sweetspot

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



54.8720, 0.2661, 0.4779



86.3275, 0.2856, 0.3656



55.8648, 0.3272, 0.5783



18.1627, 0.2823, 0.3717



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.



54.8720, 0.2661, 0.4779



73.5823, 0.2664, 0.4792



51.0250, 0.2189, 0.3078



15.4677, 0.3039, 0.3392



31.9599, 0.2655, 0.4756



2.2331, 0.2585, 0.4507



# Inverse Universe

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



16.7011, 0.5285, 0.2686



22.3732, 0.5305, 0.2696



16.1934, 0.6360, 0.3331



13.7977, 0.3225, 0.3190



9.7391, 0.5250, 0.2666

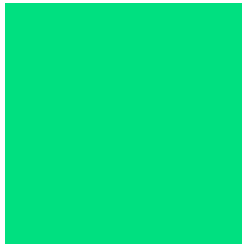


0.6927, 0.4859, 0.2450



# Previews

## White Background



This preview shows how the Yxy color 54.8698, 0.2661, 0.4779 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 54.8698, 0.2661, 0.4779 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

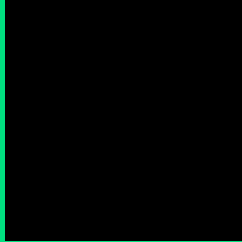
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 54.8698, 0.2661, 0.4779**

## **Background**



This preview shows how black text looks on a background with the Yxy color 54.8698, 0.2661, 0.4779.



This preview shows how white text looks on a background with the Yxy color 54.8698, 0.2661, 0.4779.

# 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

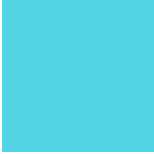
54.8698, 0.2661, 0.4779

### Protanopia

53.8416, 0.3883, 0.4215

### Deuteranopia

53.7469, 0.3919, 0.3850



## **Tritanopia**

54.5831, 0.2313, 0.3061

# Trichromacy



## Original Color

54.8698, 0.2661, 0.4779



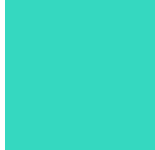
## Protanomaly

50.1696, 0.3173, 0.4521



## Deuteranomaly

49.1408, 0.3172, 0.4234



## Tritanomaly

53.6744, 0.2408, 0.3637

# Monochromacy



## Original Color

54.8698, 0.2661, 0.4779



## Achromatopsia

28.7441, 0.3127, 0.3290



## Achromatomaly

34.4633, 0.2745, 0.3891

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  54.8698, 0.2661, 0.4779 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, 224, 128)` looks like.

```
.text, #text, p{  
  color:rgb(0, 224, 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(0, 224, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 224, 128) }
```

## Border

The CSS property to change the border of an element to Yxy 54.8698, 0.2661, 0.4779 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, 224, 128) }
```

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

```
.border{ border-color:rgb(0, 224, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 224, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 224, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 224, 128);  
box-shadow:4px 4px 4px 4px rgb(0, 224,  
128) }
```



# Background

The CSS property to change the background color of an element to Yxy 54.8698, 0.2661, 0.4779 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 224, 128) }
```

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

```
.background{ background-color: rgb(0, 224,  
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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