

# Converting Colors

Yxy(53.7606, 0.2648, 0.4734)

Have a look what the booklet for  
Yxy(53.7606, 0.2648, 0.4734)  
contains.

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# Color

**Yxy(53.8275, 0.2651, 0.4743)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00DE81
RGB	0, 222, 129
RGB Percent	0%, 87%, 51%
CMY	0.9992, 0.1294, 0.4941
CMYK	1.00, 0.00, 0.42, 0.13
HSL	155°, 100%, 44%
HSV	155°, 100%, 87%
XYZ	30.0857, 53.8275, 29.5751
YIQ	145.0200, -102.4590, -75.9870

# Conversions

## Conversions Part 2

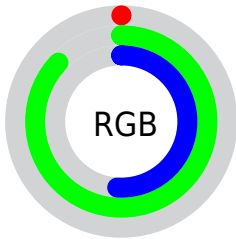
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 140, 222
Decimal	56961
CIELab	78.36, -65.97, 33.17
CIELCh	78, 73.840, 153.309
Yxy	53.8275, 0.2651, 0.4743
Android (android.graphics.Color)	4278247041 (0xFF00DE81)
YUV	145.0200, -7.8979, -127.1825
Hunter-Lab	73.3672, -55.1950, 27.4567

# Details

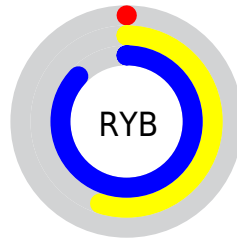
The Yxy color **53.8275, 0.2651, 0.4743** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **16.3279, 0.5325, 0.2708**, and the grayscale version is **28.4142, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.0031, 0.2710, 0.4206**, and **27.4603, 0.2745, 0.5084** is the 20% darker color. If you saturate the color by 10%, you get **53.8261, 0.2651, 0.4744**, and if you desaturate by 10%, it is **54.2625, 0.2626, 0.4585**.

# Distribution



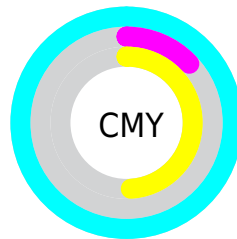
- Red (0%)
- Green (87%)
- Blue (51%)



- Red (0%)
- Yellow (55%)
- Blue (87%)



- Cyan (100%)
- Magenta (0%)
- Yellow (42%)
- Black (13%)




- Cyan (100%)
- Magenta (13%)
- Yellow (49%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.8275, 0.2651, 0.4743 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 53.8275, 0.2651, 0.4743 by changing the saturation by 10% instead.





 53.8275, 0.2651,  
0.4743

 53.8275, 0.2651,  
0.4743


401.4519, 0.2914,  
0.3976


 38.4638, 0.2578,  
0.4945


 95.8209, 0.2752,  
0.4456


 26.3428, 0.2480,  
0.5209


 123.2194, 0.2788,  
0.4350


 17.0803, 0.2343,  
0.5568


 155.3982, 0.2818,  
0.4262

 10.2918, 0.2141,  
0.6075

 192.7419, 0.2844,  
0.4188

 5.5928, 0.1823,  
0.6827

 235.6346, 0.2865,  
0.4123

 2.5991, 0.1101,  
0.8899

284.4610, 0.2884,

 0.9262, 0.0000,

0.4068

1.0000


339.6053, 0.2900,  
0.4019


 0.0000, 0.0000,  
0.0000

 53.8275, 0.2651,  
0.4743


 53.8275, 0.2651,  
0.4743


 53.8261, 0.2651,  
0.4744

 54.2625, 0.2626,  
0.4585

 54.9183, 0.2618,  
0.4423

 55.8614, 0.2630,  
0.4258

 57.1291, 0.2662,  
0.4094

 58.7525, 0.2712,  
0.3935

■ 60.7592, 0.2778,  
0.3784

■ 63.1738, 0.2855,  
0.3643

■ 66.0190, 0.2941,  
0.3513

■ 69.3157, 0.3033,  
0.3395

# Harmonies

## Analogous

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



53.8275, 0.3550, 0.5118



53.8275, 0.2651, 0.4743



53.8275, 0.1933, 0.3706

# Triad

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



53.8275, 0.2651, 0.4743



53.8275, 0.1843, 0.1879



53.8275, 0.4985, 0.3433

# Complementary

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



53.8275, 0.2651, 0.4743



16.3279, 0.5325, 0.2708

# 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.



53.8275, 0.4386, 0.2800



53.8275, 0.2651, 0.4743



53.8275, 0.2468, 0.1953

# Square

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



53.8275, 0.2651, 0.4743



53.8275, 0.1547, 0.2101



53.8275, 0.3397, 0.2277



53.8275, 0.4946, 0.4113



# Rectangle

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



53.8275, 0.2651, 0.4743



53.8275, 0.1648, 0.2997



53.8275, 0.3397, 0.2277



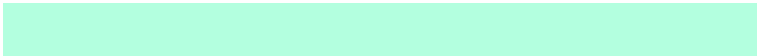
53.8275, 0.4853, 0.3215

# Sweetspot

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



53.8297, 0.2651, 0.4743



86.3680, 0.2853, 0.3648



54.7475, 0.3272, 0.5783



18.1723, 0.2819, 0.3706



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

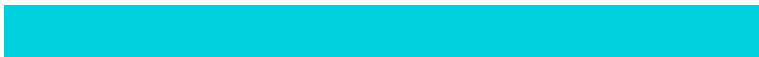
The Same Dimension uses a secret algorithm to generate beautiful new colors.



53.8297, 0.2651, 0.4743



73.6609, 0.2654, 0.4756



50.0049, 0.2189, 0.3078



15.4701, 0.3037, 0.3390



31.9940, 0.2645, 0.4721



2.2354, 0.2577, 0.4477



# Inverse Universe

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



16.3279, 0.5325, 0.2708



22.3197, 0.5347, 0.2719



15.8715, 0.6359, 0.3332



13.7954, 0.3227, 0.3192



9.7156, 0.5291, 0.2688

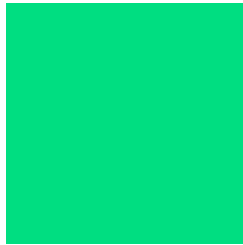


0.6910, 0.4894, 0.2470



# Previews

## White Background



This preview shows how the Yxy color 53.8275, 0.2651, 0.4743 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 53.8275, 0.2651, 0.4743 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 53.8275, 0.2651, 0.4743**

## **Background**



This preview shows how black text looks on a background with the Yxy color 53.8275, 0.2651, 0.4743.



This preview shows how white text looks on a background with the Yxy color 53.8275, 0.2651, 0.4743.

# 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

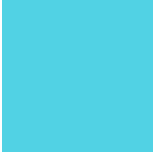
53.8275, 0.2651, 0.4743

### Protanopia

52.6853, 0.3868, 0.4189

### Deuteranopia

52.6099, 0.3901, 0.3821



## **Tritanopia**

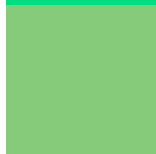
53.4440, 0.2305, 0.3046

# Trichromacy



## Original Color

53.8275, 0.2651, 0.4743



## Protanomaly

49.1607, 0.3162, 0.4487



## Deuteranomaly

48.1572, 0.3160, 0.4198



## Tritanomaly

52.6290, 0.2399, 0.3610

# Monochromacy



## Original Color

53.8275, 0.2651, 0.4743



## Achromatopsia

28.3149, 0.3127, 0.3290



## Achromatomaly

34.0265, 0.2736, 0.3877

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  53.8275, 0.2651, 0.4743 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, 222, 129)` looks like.

```
.text, #text, p{  
    color:rgb(0, 222, 129)  
}
```

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, 222, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 222, 129) }
```

## Border

The CSS property to change the border of an element to Yxy 53.8275, 0.2651, 0.4743 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, 222, 129) }
```

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

```
.border{ border-color:rgb(0, 222, 129) }
```

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

Here you see how a box with a 4 pixel rgb(0, 222, 129) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 222, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 222, 129);  
box-shadow:4px 4px 4px 4px rgb(0, 222,  
129) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.8275, 0.2651, 0.4743 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 222, 129) }
```

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

```
.background{ background-color: rgb(0, 222,  
129) }
```

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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