

# Converting Colors

$Y_{xy}(53.6052, 0.2675, 0.4830)$

Have a look what the booklet for  
Yxy(53.6052, 0.2675, 0.4830)  
contains.

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# Color

**Yxy(53.6978, 0.2673, 0.4824)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00DE7C
RGB	0, 222, 124
RGB Percent	0%, 87%, 49%
CMY	1.0000, 0.1294, 0.5138
CMYK	1.00, 0.00, 0.44, 0.13
HSL	154°, 100%, 44%
HSV	154°, 100%, 87%
XYZ	29.7542, 53.6978, 27.8619
YIQ	144.4500, -100.8540, -77.5420

# Conversions

## Conversions Part 2

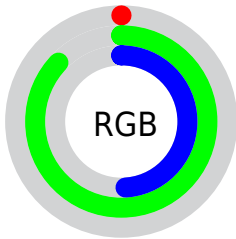
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 142, 222
Decimal	56956
CIELab	78.29, -66.90, 35.59
CIELCh	78, 75.778, 151.990
Yxy	53.6978, 0.2673, 0.4824
Android (android.graphics.Color)	4278247036 (0xFF00DE7C)
YUV	144.4500, -10.0818, -126.6826
Hunter-Lab	73.2788, -55.7595, 28.7521

# Details

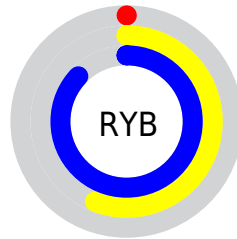
The Yxy color **53.6978, 0.2673, 0.4824** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **16.4134, 0.5234, 0.2657**, and the grayscale version is **28.1550, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.8602, 0.2736, 0.4272**, and **27.3913, 0.2773, 0.5181** is the 20% darker color. If you saturate the color by 10%, you get **53.7031, 0.2673, 0.4824**, and if you desaturate by 10%, it is **54.1364, 0.2646, 0.4659**.

# Distribution



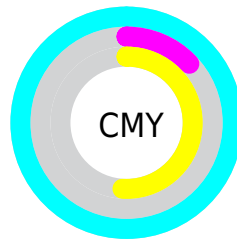
- Red (0%)
- Green (87%)
- Blue (49%)



- Red (0%)
- Yellow (56%)
- Blue (87%)



- Cyan (100%)
- Magenta (0%)
- Yellow (44%)
- Black (13%)




- Cyan (100%)
- Magenta (13%)
- Yellow (51%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.6978, 0.2673, 0.4824 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 53.6978, 0.2673, 0.4824 by changing the saturation by 10% instead.





 53.6978, 0.2673,  
0.4824

 53.6978, 0.2673,  
0.4824


400.9566, 0.2929,  
0.4012


 38.3601, 0.2600,  
0.5038


 95.6304, 0.2773,  
0.4520

 26.2623, 0.2502,  
0.5318


 122.9941, 0.2808,  
0.4408

 17.0200, 0.2363,  
0.5696

 155.1352, 0.2837,  
0.4315

 10.2487, 0.2156,  
0.6229

 192.4382, 0.2862,  
0.4236

 5.5642, 0.1826,  
0.7012

 235.2874, 0.2882,  
0.4168

 2.5819, 0.1012,  
0.8988

284.0673, 0.2900,

 0.9176, 0.0000,

0.4109


1.0000


339.1622, 0.2915,  
0.4058


 0.0000, 0.0000,  
0.0000


 53.6978, 0.2673,  
0.4824


 53.6978, 0.2673,  
0.4824


 53.7031, 0.2673,  
0.4824

 54.1364, 0.2646,  
0.4659

 54.7938, 0.2636,  
0.4488

 55.7404, 0.2647,  
0.4314

 57.0137, 0.2677,  
0.4141

 58.6451, 0.2725,  
0.3973

■ 60.6621, 0.2788,  
0.3813

■ 63.0896, 0.2863,  
0.3664

■ 65.9503, 0.2947,  
0.3527

■ 69.2652, 0.3035,  
0.3402

# Harmonies

## Analogous

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



53.6978, 0.3593, 0.5164



53.6978, 0.2673, 0.4824



53.6978, 0.1929, 0.3767

# Triad

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



53.6978, 0.2673, 0.4824



53.6978, 0.1795, 0.1852



53.6978, 0.5020, 0.3400

# Complementary

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



53.6978, 0.2673, 0.4824



16.4134, 0.5234, 0.2657

# 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.



53.6978, 0.4379, 0.2760



53.6978, 0.2673, 0.4824



53.6978, 0.2416, 0.1916

# Square

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



53.6978, 0.2673, 0.4824



53.6978, 0.1509, 0.2090



53.6978, 0.3356, 0.2236



53.6978, 0.5002, 0.4091



# Rectangle

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



53.6978, 0.2673, 0.4824



53.6978, 0.1629, 0.3028



53.6978, 0.3356, 0.2236



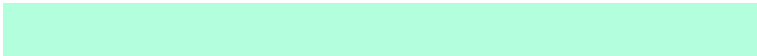
53.6978, 0.4875, 0.3179

# Sweetspot

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



53.7031, 0.2673, 0.4824



86.2767, 0.2861, 0.3667



54.9519, 0.3292, 0.5768



18.1507, 0.2828, 0.3729



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.



53.7031, 0.2673, 0.4824



73.4855, 0.2677, 0.4836



51.8182, 0.2203, 0.3132



15.4648, 0.3040, 0.3395



31.9180, 0.2667, 0.4800



2.2303, 0.2596, 0.4544



# Inverse Universe

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



16.4134, 0.5234, 0.2657



22.4429, 0.5253, 0.2667



15.7729, 0.6372, 0.3323



13.8006, 0.3223, 0.3187



9.7698, 0.5198, 0.2637

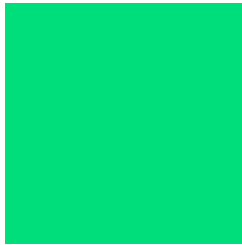


0.6950, 0.4815, 0.2426



# Previews

## White Background



This preview shows how the Yxy color 53.6978, 0.2673, 0.4824 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 53.6978, 0.2673, 0.4824 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 53.6978, 0.2673, 0.4824**

## **Background**



This preview shows how black text looks on a background with the Yxy color 53.6978, 0.2673, 0.4824.



This preview shows how white text looks on a background with the Yxy color 53.6978, 0.2673, 0.4824.

# 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

53.6978, 0.2673, 0.4824

### Protanopia

52.5932, 0.3897, 0.4234

### Deuteranopia

52.6324, 0.3952, 0.3875



## Tritanopia

53.4782, 0.2315, 0.3059

# Trichromacy



## Original Color

53.6978, 0.2673, 0.4824



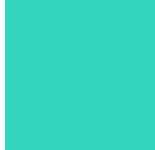
## Protanomaly

49.0646, 0.3187, 0.4545



## Deuteranomaly

48.1109, 0.3201, 0.4269



## Tritanomaly

52.5677, 0.2411, 0.3640

# Monochromacy



## Original Color

53.6978, 0.2673, 0.4824



## Achromatopsia

27.8894, 0.3127, 0.3290



## Achromatomaly

33.5865, 0.2748, 0.3898

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  53.6978, 0.2673, 0.4824 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, 124)` looks like.

```
.text, #text, p{  
    color:rgb(0, 222, 124)  
}
```

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, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 222, 124) }
```

## Border

The CSS property to change the border of an element to Yxy 53.6978, 0.2673, 0.4824 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, 124) }
```

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

```
.border{ border-color:rgb(0, 222, 124) }
```

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, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 222, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 222, 124);  
box-shadow:4px 4px 4px 4px rgb(0, 222,  
124) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.6978, 0.2673, 0.4824 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, 124) }
```

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

```
.background{ background-color: rgb(0, 222,  
124) }
```

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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