

# Converting Colors

$Yxy(53.7247, 0.2769, 0.4879)$

Have a look what the booklet for  
Yxy(53.7247, 0.2769, 0.4879)  
contains.

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# Color

**Yxy(53.7247, 0.2769, 0.4879)**

# Conversions

## Conversions Part 1

Format	Color
Hex	33DD76
RGB	51, 221, 118
RGB Percent	20%, 87%, 46%
CMY	0.8000, 0.1333, 0.5373
CMYK	0.77, 0.00, 0.47, 0.13
HSL	144°, 71%, 53%
HSV	144°, 77%, 87%
XYZ	30.4906, 53.7247, 25.8989
YIQ	158.4280, -68.2570, -68.0730

# Conversions

## Conversions Part 2

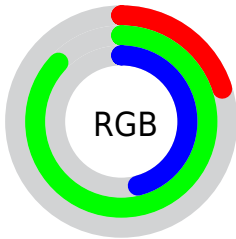
Format	Color
<a href="#">RYB</a>	<a href="#">51, 173, 221</a>
Decimal	<a href="#">3399030</a>
CIELab	<a href="#">78.30, -64.19, 38.67</a>
CIElCh	<a href="#">78, 74.939, 148.935</a>
Yxy	<a href="#">53.7247, 0.2769, 0.4879</a>
Android (android.graphics.Color)	<a href="#">4281589110 (0xFF33DD76)</a>
YUV	<a href="#">158.4280, -19.9310, -94.2144</a>
Hunter-Lab	<a href="#">73.2971, -54.0164, 30.3584</a>

# Details

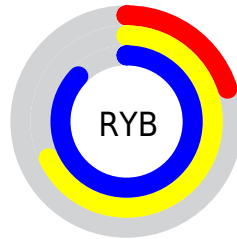
The Yxy color **53.7247, 0.2769, 0.4879** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark muted spring green. A complement of this color would be **20.0728, 0.4120, 0.2245**, and the grayscale version is **34.5113, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.7095, 0.2829, 0.4334**, and **26.9562, 0.2801, 0.5285** is the 20% darker color. If you saturate the color by 10%, you get **52.9869, 0.2782, 0.5103**, and if you desaturate by 10%, it is **54.7846, 0.2775, 0.4644**.

# Distribution



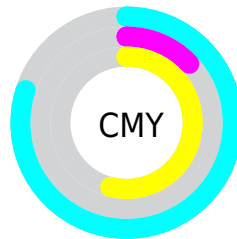
- Red (20%)
- Green (87%)
- Blue (46%)



- Red (20%)
- Yellow (68%)
- Blue (87%)



- Cyan (77%)
- Magenta (0%)
- Yellow (47%)
- Black (13%)




- Cyan (80%)
- Magenta (13%)
- Yellow (54%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.7247, 0.2769, 0.4879 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 53.7247, 0.2769, 0.4879 by changing the saturation by 10% instead.





 53.7247, 0.2769,  
0.4879

 53.7247, 0.2769,  
0.4879


401.0593, 0.2981,  
0.4039


 38.3816, 0.2705,  
0.5099

 95.6699, 0.2854,  
0.4565

 26.2790, 0.2617,  
0.5387


 123.0408, 0.2884,  
0.4449


 17.0325, 0.2490,  
0.5774


 155.1898, 0.2908,  
0.4353

 10.2577, 0.2294,  
0.6315

 192.5012, 0.2928,  
0.4271

 5.5701, 0.1979,  
0.7117

 235.3595, 0.2944,  
0.4200

 2.5855, 0.1218,  
0.8782

284.1490, 0.2959,

 0.9194, 0.0000,

0.4139

1.0000

339.2541, 0.2971,  
0.4086

■ 0.0000, 0.0000,  
0.0000

■ 53.7247, 0.2769,  
0.4879

■ 53.7247, 0.2769,  
0.4879

■ 52.9869, 0.2782,  
0.5103

■ 54.7846, 0.2775,  
0.4644

■ 52.5183, 0.2813,  
0.5306


■ 56.1960, 0.2798,  
0.4406


■ 52.4053, 0.2824,  
0.5365


■ 57.9919, 0.2837,  
0.4174


■ 60.1997, 0.2888,  
0.3953

■ 62.8443, 0.2947,  
0.3749

 65.9483, 0.3012,  
0.3562

 69.5331, 0.3080,  
0.3395

 73.6183, 0.3148,  
0.3246

 78.2228, 0.3216,  
0.3115

# Harmonies

## Analogous

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



53.7247, 0.3684, 0.5130



53.7247, 0.2769, 0.4879



53.7247, 0.2002, 0.3881

# Triad

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



53.7247, 0.2769, 0.4879



53.7247, 0.1763, 0.1874



53.7247, 0.4963, 0.3334

# Complementary

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



53.7247, 0.2769, 0.4879



20.0728, 0.4120, 0.2245

# 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.



53.7247, 0.4272, 0.2706



53.7247, 0.2769, 0.4879



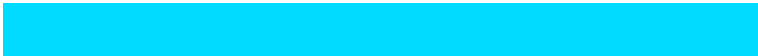
53.7247, 0.2345, 0.1909

# Square

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



53.7247, 0.2769, 0.4879



53.7247, 0.1512, 0.2146



53.7247, 0.3250, 0.2202



53.7247, 0.5014, 0.4017



# Rectangle

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



53.7247, 0.2769, 0.4879



53.7247, 0.1677, 0.3136



53.7247, 0.3250, 0.2202



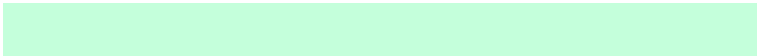
53.7247, 0.4797, 0.3116

# Sweetspot

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



53.7269, 0.2769, 0.4879



88.4417, 0.2971, 0.3677



59.0057, 0.3598, 0.5290



18.6111, 0.2948, 0.3747



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.



53.7269, 0.2769, 0.4879



72.8619, 0.2798, 0.5224



56.6441, 0.2380, 0.3568



14.6908, 0.3063, 0.3435



30.4623, 0.2815, 0.5336



1.9902, 0.2724, 0.5005



# Inverse Universe

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



20.0728, 0.4120, 0.2245



24.4026, 0.4406, 0.2237



18.1923, 0.5533, 0.3132



13.1834, 0.3198, 0.3149



9.9511, 0.4509, 0.2257

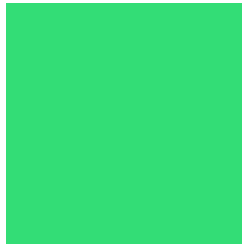


0.6615, 0.4240, 0.2110



# Previews

## White Background



This preview shows how the Yxy color 53.7247, 0.2769, 0.4879 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 53.7247, 0.2769, 0.4879 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 53.7247, 0.2769, 0.4879**

## **Background**



This preview shows how black text looks on a background with the Yxy color 53.7247, 0.2769, 0.4879.



This preview shows how white text looks on a background with the Yxy color 53.7247, 0.2769, 0.4879.

# 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

53.7247, 0.2769, 0.4879

### Protanopia

52.6097, 0.3949, 0.4295

### Deuteranopia

52.2223, 0.4016, 0.3928



## Tritanopia

53.5248, 0.2359, 0.3061

# Trichromacy



## Original Color

53.7247, 0.2769, 0.4879



## Protanomaly

50.6319, 0.3371, 0.4568



## Deuteranomaly

49.3871, 0.3400, 0.4293



## Tritanomaly

52.8386, 0.2497, 0.3666

# Monochromacy



## Original Color

53.7247, 0.2769, 0.4879



## Achromatopsia

34.1914, 0.3127, 0.3290



## Achromatomaly

38.9529, 0.2909, 0.3895

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.7247, 0.2769, 0.4879 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(51, 221, 118)` looks like.

```
.text, #text, p{  
    color:rgb(51, 221, 118)  
}
```

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(51, 221, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 221, 118) }
```

## Border

The CSS property to change the border of an element to Yxy 53.7247, 0.2769, 0.4879 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(51, 221, 118) }
```

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

```
.border{ border-color:rgb(51, 221, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 221, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 221, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 221, 118);  
box-shadow:4px 4px 4px 4px rgb(51, 221,  
118) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.7247, 0.2769, 0.4879 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 221, 118) }
```

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

```
.background{ background-color: rgb(51, 221,  
118) }
```

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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