

# Converting Colors

$Yxy(56.8063, 0.2766, 0.4933)$

Have a look what the booklet for  
Yxy(56.8063, 0.2766, 0.4933)  
contains.

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# Color

**Yxy(56.8270, 0.2768, 0.4936)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2EE376
RGB	46, 227, 118
RGB Percent	18%, 89%, 46%
CMY	0.8195, 0.1098, 0.5372
CMYK	0.80, 0.00, 0.48, 0.11
HSL	144°, 76%, 54%
HSV	144°, 80%, 89%
XYZ	31.8673, 56.8270, 26.4333
YIQ	160.4550, -72.8870, -72.2710

# Conversions

## Conversions Part 2

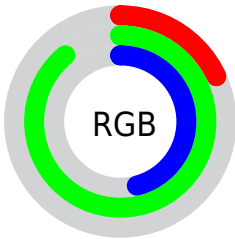
Format	Color
<a href="#">RYB</a>	<a href="#">46, 175, 227</a>
Decimal	<a href="#">3072886</a>
CIELab	<a href="#">80.08, -66.79, 40.89</a>
CIELCh	<a href="#">80, 78.318, 148.523</a>
Yxy	<a href="#">56.8270, 0.2768, 0.4936</a>
Android (android.graphics.Color)	<a href="#">4281262966 (0xFF2EE376)</a>
YUV	<a href="#">160.4550, -20.9303, -100.3770</a>
Hunter-Lab	<a href="#">75.3837, -56.4632, 31.9785</a>

# Details

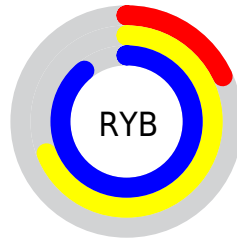
The Yxy color **56.8270, 0.2768, 0.4936** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **20.6544, 0.4184, 0.2240**, and the grayscale version is **35.5042, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.6361, 0.2825, 0.4336**, and **29.1547, 0.2815, 0.5333** is the 20% darker color. If you saturate the color by 10%, you get **56.1320, 0.2787, 0.5154**, and if you desaturate by 10%, it is **57.8521, 0.2768, 0.4704**.

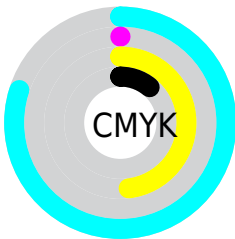
# Distribution



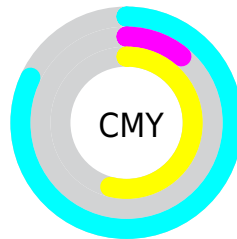
- Red (18%)
- Green (89%)
- Blue (46%)



- Red (18%)
- Yellow (69%)
- Blue (89%)



- Cyan (80%)
- Magenta (0%)
- Yellow (48%)
- Black (11%)




- Cyan (82%)
- Magenta (11%)
- Yellow (54%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 56.8270, 0.2768, 0.4936 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 56.8270, 0.2768, 0.4936 by changing the saturation by 10% instead.




 56.8270, 0.2768,  
0.4936


 56.8270, 0.2768,  
0.4936


412.8007, 0.2982,  
0.4072


 40.8664, 0.2704,  
0.5160

 100.2127, 0.2854,  
0.4615


 28.2147, 0.2616,  
0.5450


 128.4066, 0.2884,  
0.4496

 18.4875, 0.2489,  
0.5837


 161.4470, 0.2908,  
0.4397

 11.3006, 0.2295,  
0.6371

 199.7183, 0.2928,  
0.4312

 6.2694, 0.1985,  
0.7141

 243.6049, 0.2945,  
0.4240

 3.0096, 0.1382,  
0.8618

293.4913, 0.2959,

 1.1367, 0.0000,

0.4177

1.0000

349.7618, 0.2971,  
0.4121

■ 0.0091, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 56.8270, 0.2768,  
0.4936

■ 56.8270, 0.2768,  
0.4936

■ 56.1320, 0.2787,  
0.5154

■ 57.8521, 0.2768,  
0.4704

■ 55.6932, 0.2820,  
0.5351

■ 59.2408, 0.2787,  
0.4467

■ 55.6827, 0.2821,  
0.5357


■ 61.0296, 0.2822,  
0.4233


■ 63.2488, 0.2870,  
0.4010

 65.9254, 0.2928,  
0.3802

 69.0844, 0.2992,  
0.3611

 72.7487, 0.3060,  
0.3439

 76.9400, 0.3129,  
0.3286

 81.6783, 0.3198,  
0.3151

# Harmonies

## Analogous

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



56.8270, 0.3702, 0.5173



56.8270, 0.2768, 0.4936



56.8270, 0.1983, 0.3912

# Triad

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



56.8270, 0.2768, 0.4936



56.8270, 0.1730, 0.1847



56.8270, 0.5003, 0.3319

# Complementary

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



56.8270, 0.2768, 0.4936



20.6544, 0.4184, 0.2240

# 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.



56.8270, 0.4287, 0.2683



56.8270, 0.2768, 0.4936



56.8270, 0.2316, 0.1880

# Square

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



56.8270, 0.2768, 0.4936



56.8270, 0.1479, 0.2126



56.8270, 0.3236, 0.2174



56.8270, 0.5059, 0.4013



# Rectangle

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



56.8270, 0.2768, 0.4936



56.8270, 0.1651, 0.3142



56.8270, 0.3236, 0.2174



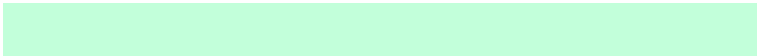
56.8270, 0.4831, 0.3099

# Sweetspot

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



56.8293, 0.2768, 0.4936



88.0324, 0.2963, 0.3693



62.3684, 0.3596, 0.5341



18.5330, 0.2940, 0.3762



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.



56.8293, 0.2768, 0.4936



72.6596, 0.2809, 0.5292



59.9717, 0.2372, 0.3580



16.1837, 0.3062, 0.3435



32.4951, 0.2814, 0.5329



2.4192, 0.2732, 0.5035



# Inverse Universe

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



20.6544, 0.4184, 0.2240



23.9370, 0.4492, 0.2264



18.6944, 0.5656, 0.3140



14.5130, 0.3199, 0.3149



10.5962, 0.4527, 0.2268

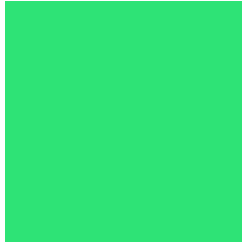


0.8012, 0.4283, 0.2133



# Previews

## White Background



This preview shows how the Yxy color 56.8270, 0.2768, 0.4936 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 56.8270, 0.2768, 0.4936 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

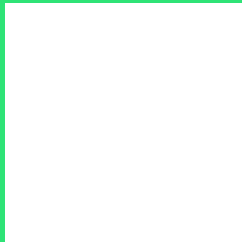
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 56.8270, 0.2768, 0.4936**

## Background



This preview shows how black text looks on a background with the Yxy color 56.8270, 0.2768, 0.4936.

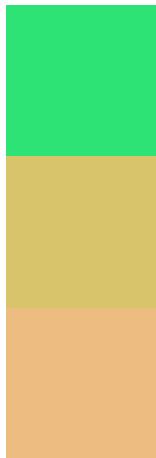


This preview shows how white text looks on a background with the Yxy color 56.8270, 0.2768, 0.4936.

# 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

56.8270, 0.2768, 0.4936

### Protanopia

55.5930, 0.3965, 0.4327

### Deuteranopia

55.5295, 0.4044, 0.3953



## Tritanopia

56.3522, 0.2347, 0.3052

# Trichromacy



## Original Color

56.8270, 0.2768, 0.4936



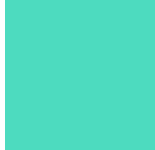
## Protanomaly

53.1295, 0.3366, 0.4615



## Deuteranomaly

52.0211, 0.3412, 0.4339



## Tritanomaly

56.0024, 0.2488, 0.3687

# Monochromacy



## Original Color

56.8270, 0.2768, 0.4936



## Achromatopsia

35.1533, 0.3127, 0.3290



## Achromatomaly

40.2473, 0.2896, 0.3904

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 56.8270, 0.2768, 0.4936 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(46, 227, 118)` looks like.

```
.text, #text, p{  
    color:rgb(46, 227, 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(46, 227, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 227, 118) }
```

## Border

The CSS property to change the border of an element to Yxy 56.8270, 0.2768, 0.4936 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(46, 227, 118) }
```

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

```
.border{ border-color:rgb(46, 227, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 227, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 227, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 227, 118);  
box-shadow:4px 4px 4px 4px rgb(46, 227,  
118) }
```



# Background

The CSS property to change the background color of an element to Yxy 56.8270, 0.2768, 0.4936 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 227, 118) }
```

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

```
.background{ background-color: rgb(46, 227,  
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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