

# Converting Colors

Yxy(57.6831, 0.2913, 0.5031)

Have a look what the booklet for  
Yxy(57.6831, 0.2913, 0.5031)  
contains.

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# Color

**Yxy(57.6831, 0.2913, 0.5031)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4FE36C
RGB	79, 227, 108
RGB Percent	31%, 89%, 42%
CMY	0.6904, 0.1098, 0.5763
CMYK	0.65, 0.00, 0.52, 0.11
HSL	132°, 73%, 60%
HSV	132°, 65%, 89%
XYZ	33.3991, 57.6831, 23.5731
YIQ	169.1820, -50.0090, -68.3850

# Conversions

## Conversions Part 2

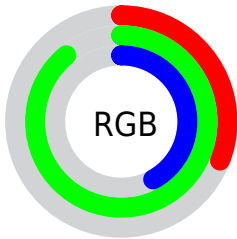
<b>Format</b>	<b>Color</b>
<b>RYB</b>	79, 203, 227
Decimal	5235564
CIELab	80.56, -63.38, 46.39
CIELCh	81, 78.549, 143.798
Yxy	57.6831, 0.2913, 0.5031
Android (android.graphics.Color)	4283425644 (0xFF4FE36C)
YUV	169.1820, -30.1627, -79.0896
Hunter-Lab	75.9494, -54.4152, 34.7622

# Details

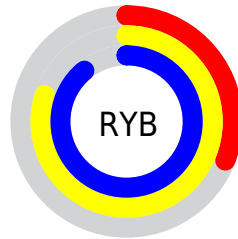
The Yxy color **57.6831, 0.2913, 0.5031** is a dark color, and the websafe version is hex **33CC66**. The color can be described as middle muted spring green. A complement of this color would be **25.9901, 0.3525, 0.2052**, and the grayscale version is **39.9385, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.9683, 0.2972, 0.4434**, and **29.0350, 0.2865, 0.5512** is the 20% darker color. If you saturate the color by 10%, you get **56.5245, 0.2909, 0.5313**, and if you desaturate by 10%, it is **59.2599, 0.2929, 0.4730**.

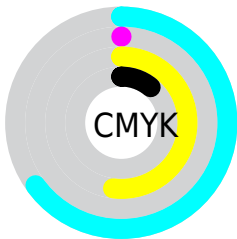
# Distribution



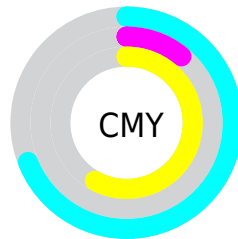
- Red (31%)
- Green (89%)
- Blue (42%)



- Red (31%)
- Yellow (80%)
- Blue (89%)



- Cyan (65%)
- Magenta (0%)
- Yellow (52%)
- Black (11%)




- Cyan (69%)
- Magenta (11%)
- Yellow (58%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 57.6831, 0.2913, 0.5031 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 57.6831, 0.2913, 0.5031 by changing the saturation by 10% instead.




 57.6831, 0.2913,  
0.5031


 57.6831, 0.2913,  
0.5031


416.0041, 0.3063,  
0.4123


 41.5539, 0.2862,  
0.5263


 101.4612, 0.2978,  
0.4696


 28.7522, 0.2787,  
0.5561


 129.8790, 0.2999,  
0.4571

 18.8934, 0.2676,  
0.5954


 163.1617, 0.3016,  
0.4466

 11.5933, 0.2498,  
0.6485

 201.6939, 0.3030,  
0.4377

 6.4674, 0.2218,  
0.7286

245.8598, 0.3040,  
0.4300

 3.1313, 0.1645,  
0.8355

296.0438, 0.3049,

 1.2007, 0.0000,

0.4234

1.0000

352.6305, 0.3057,  
0.4175

■ 0.0622, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 57.6831, 0.2913,  
0.5031

■ 57.6831, 0.2913,  
0.5031

■ 56.5245, 0.2909,  
0.5313

■ 59.2599, 0.2929,  
0.4730

■ 55.7363, 0.2919,  
0.5558

■ 61.2828, 0.2955,  
0.4426

■ 55.2718, 0.2940,  
0.5751


■ 63.7856, 0.2988,  
0.4134


■ 55.1280, 0.2951,  
0.5823


■ 66.7967, 0.3025,  
0.3861

 70.3425, 0.3066,  
0.3614

 74.4473, 0.3106,  
0.3394

 79.1340, 0.3146,  
0.3201

 83.3550, 0.3146,  
0.3029

 83.4216, 0.3140,  
0.3019

# Harmonies

## Analogous

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



57.6831, 0.3845, 0.5130



57.6831, 0.2913, 0.5031



57.6831, 0.2088, 0.4098

# Triad

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



57.6831, 0.2913, 0.5031



57.6831, 0.1672, 0.1871



57.6831, 0.4928, 0.3215

# Complementary

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



57.6831, 0.2913, 0.5031



25.9901, 0.3525, 0.2052

# 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.



57.6831, 0.4129, 0.2593



57.6831, 0.2913, 0.5031



57.6831, 0.2202, 0.1859

# Square

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



57.6831, 0.2913, 0.5031



57.6831, 0.1471, 0.2206



57.6831, 0.3074, 0.2114



57.6831, 0.5091, 0.3901



# Rectangle

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



57.6831, 0.2913, 0.5031



57.6831, 0.1716, 0.3314



57.6831, 0.3074, 0.2114



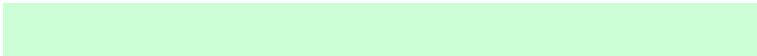
57.6831, 0.4721, 0.2998

# Sweetspot

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



57.6855, 0.2913, 0.5031



89.2135, 0.3046, 0.3732



67.7659, 0.3813, 0.4906



18.8217, 0.3034, 0.3803



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.



57.6855, 0.2913, 0.5031



73.1933, 0.2911, 0.5398



59.9021, 0.2569, 0.3951



16.1352, 0.3089, 0.3484



32.1619, 0.2945, 0.5802



2.3896, 0.2873, 0.5542



# Inverse Universe

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



25.9901, 0.3525, 0.2052



29.0514, 0.3628, 0.1915



23.4191, 0.4560, 0.2793



14.5641, 0.3168, 0.3103



11.5202, 0.3777, 0.1854

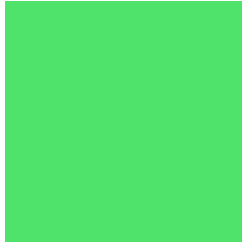


0.8637, 0.3679, 0.1800



# Previews

## White Background



This preview shows how the Yxy color 57.6831, 0.2913, 0.5031 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 57.6831, 0.2913, 0.5031 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

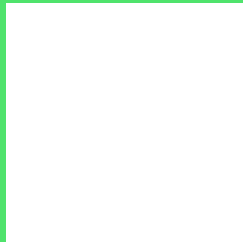
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 57.6831, 0.2913, 0.5031**

## **Background**



This preview shows how black text looks on a background with the Yxy color 57.6831, 0.2913, 0.5031.



This preview shows how white text looks on a background with the Yxy color 57.6831, 0.2913, 0.5031.

# 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

57.6831, 0.2913, 0.5031

### Protanopia

56.3301, 0.4043, 0.4413

### Deuteranopia

56.4040, 0.4150, 0.4054



## Tritanopia

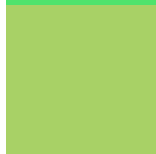
57.4401, 0.2426, 0.3069

# Trichromacy



## Original Color

57.6831, 0.2913, 0.5031



## Protanomaly

54.8851, 0.3527, 0.4682



## Deuteranomaly

53.8719, 0.3593, 0.4431



## Tritanomaly

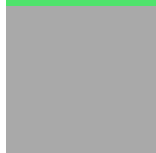
56.9749, 0.2604, 0.3751

# Monochromacy



## Original Color

57.6831, 0.2913, 0.5031



## Achromatopsia

39.6755, 0.3127, 0.3290



## Achromatomaly

44.1677, 0.3012, 0.3931

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 57.6831, 0.2913, 0.5031 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(79, 227, 108)` looks like.

```
.text, #text, p{  
  color:rgb(79, 227, 108)  
}
```

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(79, 227, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 227, 108) }
```

## Border

The CSS property to change the border of an element to Yxy 57.6831, 0.2913, 0.5031 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(79, 227, 108) }
```

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

```
.border{ border-color:rgb(79, 227, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 227, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 227, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 227, 108);  
box-shadow:4px 4px 4px 4px rgb(79, 227,  
108) }
```



# Background

The CSS property to change the background color of an element to Yxy 57.6831, 0.2913, 0.5031 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 227, 108) }
```

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

```
.background{ background-color: rgb(79, 227,  
108) }
```

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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