

# Converting Colors

Yxy(59.4717, 0.3119, 0.5575)

Have a look what the booklet for  
Yxy(59.4717, 0.3119, 0.5575)  
contains.

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**Color**

**Yxy(59.5043, 0.3119, 0.5570)**

# Conversions

## Conversions Part 1

Format	Color
Hex	57E73C
RGB	87, 231, 60
RGB Percent	34%, 91%, 24%
CMY	0.6589, 0.0941, 0.7646
CMYK	0.62, 0.00, 0.74, 0.09
HSL	111°, 78%, 57%
HSV	111°, 74%, 91%
XYZ	33.3203, 59.5043, 14.0054
YIQ	168.4500, -30.9330, -83.7090

# Conversions

## Conversions Part 2

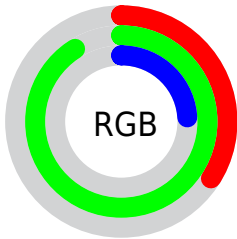
<b>Format</b>	<b>Color</b>
<b>RYB</b>	60, 231, 204
Decimal	5760828
CIELab	81.57, -68.00, 67.26
CIELCh	82, 95.644, 135.311
Yxy	59.5043, 0.3119, 0.5570
Android (android.graphics.Color)	4283950908 (0xFF57E73C)
YUV	168.4500, -53.4658, -71.4316
Hunter-Lab	77.1390, -57.8901, 43.2326

# Details

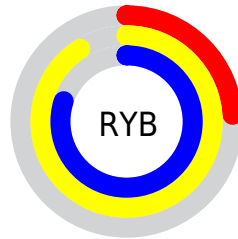
The Yxy color **59.5043, 0.3119, 0.5570** is a dark color, and the websafe version is hex **33CC00**. The color can be described as dark washed green. A complement of this color would be **21.8474, 0.2916, 0.1555**, and the grayscale version is **39.6689, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.5034, 0.3224, 0.4931**, and **30.2721, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **58.5001, 0.3091, 0.5784**, and if you desaturate by 10%, it is **60.8725, 0.3141, 0.5290**.

# Distribution



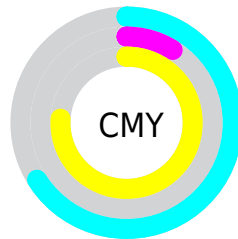
- Red (34%)
- Green (91%)
- Blue (24%)



- Red (24%)
- Yellow (91%)
- Blue (80%)



- Cyan (62%)
- Magenta (0%)
- Yellow (74%)
- Black (9%)



- Cyan (66%)
- Magenta (9%)
- Yellow (76%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 59.5043, 0.3119, 0.5570 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 59.5043, 0.3119, 0.5570 by changing the saturation by 10% instead.





 59.5043, 0.3119,  
0.5570


 59.5043, 0.3119,  
0.5570

422.7682, 0.3215,  
0.4403

 43.0192, 0.3064,  
0.5850

 104.1103, 0.3177,  
0.5150

 29.9002, 0.2977,  
0.6195


 132.9999, 0.3192,  
0.4990


 19.7628, 0.2834,  
0.6621


 166.7932, 0.3202,  
0.4855

 12.2228, 0.2618,  
0.7200

 205.8746, 0.3208,  
0.4738

 6.8956, 0.2210,  
0.7790

 250.6283, 0.3212,  
0.4637

 3.3969, 0.1521,  
0.8479

301.4389, 0.3214,

 1.3423, 0.0000,

0.4549

1.0000

358.6908, 0.3215,  
0.4472

■ 0.1736, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 59.5043, 0.3119,  
0.5570

■ 59.5043, 0.3119,  
0.5570

■ 58.5001, 0.3091,  
0.5784

■ 60.8725, 0.3141,  
0.5290

■ 57.8164, 0.3058,  
0.5919


■ 62.6279, 0.3155,  
0.4967


■ 57.5381, 0.3041,  
0.5968


■ 64.8004, 0.3161,  
0.4624


■ 67.4149, 0.3160,  
0.4282

 70.4943, 0.3154,  
0.3957

 74.0598, 0.3145,  
0.3658

 78.1315, 0.3132,  
0.3389

 82.7281, 0.3119,  
0.3152

 85.6355, 0.3138,  
0.3058

# Harmonies

## Analogous

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



59.5043, 0.4177, 0.5292



59.5043, 0.3119, 0.5570



59.5043, 0.2114, 0.4687

# Triad

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



59.5043, 0.3119, 0.5570



59.5043, 0.1360, 0.1709



59.5043, 0.5081, 0.2949

# Complementary

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



59.5043, 0.3119, 0.5570



21.8474, 0.2916, 0.1555

# 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.



59.5043, 0.3961, 0.2295



59.5043, 0.3119, 0.5570



59.5043, 0.1834, 0.1620

# Square

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



59.5043, 0.3119, 0.5570



59.5043, 0.1231, 0.2184



59.5043, 0.2721, 0.1826



59.5043, 0.5466, 0.3685



# Rectangle

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



59.5043, 0.3119, 0.5570



59.5043, 0.1623, 0.3690



59.5043, 0.2721, 0.1826



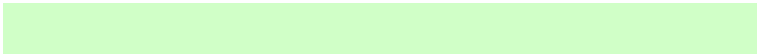
59.5043, 0.4766, 0.2718

# Sweetspot

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



59.5068, 0.3119, 0.5570



89.0118, 0.3153, 0.3898



59.7962, 0.4307, 0.4682



18.8079, 0.3155, 0.3983



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.



59.5068, 0.3119, 0.5570



72.6884, 0.3073, 0.5867



59.4012, 0.2814, 0.4967



16.1977, 0.3139, 0.3531



32.2890, 0.3047, 0.5962



2.4195, 0.3130, 0.5897



# Inverse Universe

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



21.8474, 0.2916, 0.1555



23.1471, 0.2851, 0.1382



23.2796, 0.3916, 0.2159



14.4941, 0.3113, 0.3057



9.7526, 0.2814, 0.1324

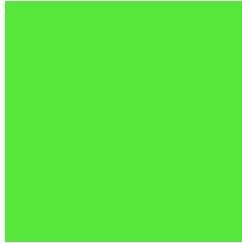


0.7517, 0.2875, 0.1358



# Previews

## White Background



This preview shows how the Yxy color 59.5043, 0.3119, 0.5570 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 59.5043, 0.3119, 0.5570 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

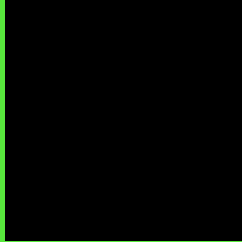
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

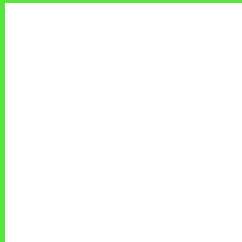
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 59.5043, 0.3119, 0.5570**

## **Background**



This preview shows how black text looks on a background with the Yxy color 59.5043, 0.3119, 0.5570.

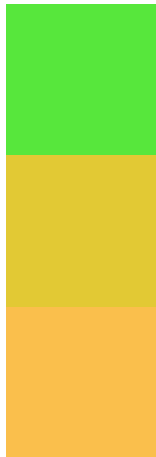


This preview shows how white text looks on a background with the Yxy color 59.5043, 0.3119, 0.5570.

# 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

59.5043, 0.3119, 0.5570

### Protanopia

58.1900, 0.4307, 0.4740

### Deuteranopia

58.1074, 0.4484, 0.4389



## Tritanopia

58.8440, 0.2469, 0.3061

# Trichromacy



## Original Color

59.5043, 0.3119, 0.5570



## Protanomaly

56.4768, 0.3786, 0.5102



## Deuteranomaly

55.6612, 0.3900, 0.4861



## Tritanomaly

57.9947, 0.2740, 0.4005

# Monochromacy



## Original Color

59.5043, 0.3119, 0.5570



## Achromatopsia

39.1572, 0.3127, 0.3290



## Achromatomaly

44.3356, 0.3161, 0.4216

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 59.5043, 0.3119, 0.5570 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(87, 231, 60)` looks like.

```
.text, #text, p{  
    color:rgb(87, 231, 60)  
}
```

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(87, 231, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 231, 60) }
```

## Border

The CSS property to change the border of an element to Yxy 59.5043, 0.3119, 0.5570 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(87, 231, 60) }
```

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

```
.border{ border-color:rgb(87, 231, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 231, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 231, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 231, 60);  
box-shadow:4px 4px 4px 4px rgb(87, 231,  
60) }
```



# Background

The CSS property to change the background color of an element to Yxy 59.5043, 0.3119, 0.5570 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 231, 60) }
```

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

```
.background{ background-color: rgb(87, 231,  
60) }
```

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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