

# Converting Colors

$Y_{xy}(62.3727, 0.3017, 0.5837)$

Have a look what the booklet for  
Yxy(62.3727, 0.3017, 0.5837)  
contains.

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# Color

**Yxy(62.4150, 0.3017, 0.5836)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2CEF27
RGB	44, 239, 39
RGB Percent	17%, 94%, 15%
CMY	0.8281, 0.0627, 0.8470
CMYK	0.82, 0.00, 0.84, 0.06
HSL	119°, 86%, 55%
HSV	119°, 84%, 94%
XYZ	32.2663, 62.4150, 12.2670
YIQ	157.8950, -52.0200, -103.5400

# Conversions

## Conversions Part 2

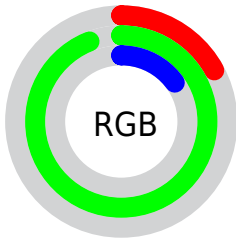
Format	Color
R <sub>Y</sub> B	39, 239, 234
Decimal	2944807
CIE Lab	83.13, -78.50, 74.32
CIE LCh	83, 108.106, 136.566
Yxy	62.4150, 0.3017, 0.5836
Android (android.graphics.Color)	4281134887 (0xFF2CEF27)
YUV	157.8950, -58.6152, -99.8859
Hunter-Lab	79.0032, -65.3530, 46.0961

# Details

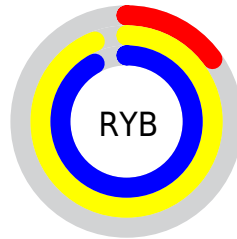
The Yxy color **62.4150, 0.3017, 0.5836** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **25.2107, 0.3156, 0.1582**, and the grayscale version is **34.4107, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.0315, 0.3144, 0.5152**, and **33.0477, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **61.9281, 0.3007, 0.5958**, and if you desaturate by 10%, it is **63.2961, 0.3030, 0.5626**.

# Distribution



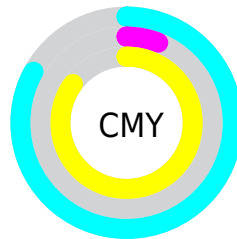
- Red (17%)
- Green (94%)
- Blue (15%)



- Red (15%)
- Yellow (94%)
- Blue (92%)



- Cyan (82%)
- Magenta (0%)
- Yellow (84%)
- Black (6%)




- Cyan (83%)
- Magenta (6%)
- Yellow (85%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.4150, 0.3017, 0.5836 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 62.4150, 0.3017, 0.5836 by changing the saturation by 10% instead.




 62.4150, 0.3017,  
0.5836

 62.4150, 0.3017,  
0.5836


433.4433, 0.3185,  
0.4540

 45.3681, 0.2940,  
0.6140

 108.3251, 0.3105,  
0.5374

 31.7475, 0.2823,  
0.6509


 137.9571, 0.3130,  
0.5197


 21.1687, 0.2641,  
0.6955


 172.5529, 0.3148,  
0.5046

 13.2474, 0.2395,  
0.7603

 212.4970, 0.3161,  
0.4916

 7.5991, 0.1915,  
0.8085

 258.1736, 0.3170,  
0.4803

 3.8395, 0.1188,  
0.8812

 309.9673, 0.3177,

 1.5842, 0.0000,

0.4704

1.0000

368.2624, 0.3181,  
0.4617

■ 0.3469, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 62.4150, 0.3017,  
0.5836

■ 62.4150, 0.3017,  
0.5836

■ 61.9281, 0.3007,  
0.5958

■ 63.2961, 0.3030,  
0.5626


■ 61.7763, 0.3004,  
0.5997


■ 64.6225, 0.3046,  
0.5342


■ 66.4456, 0.3062,  
0.5006


■ 68.8079, 0.3078,  
0.4648

 71.7474, 0.3092,  
0.4293

 75.2985, 0.3105,  
0.3957

 79.4933, 0.3115,  
0.3652

 84.3612, 0.3124,  
0.3381

 89.9300, 0.3132,  
0.3144

# Harmonies

## Analogous

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



62.4150, 0.4159, 0.5477



62.4150, 0.3017, 0.5836



62.4150, 0.1955, 0.4800

# Triad

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



62.4150, 0.3017, 0.5836



62.4150, 0.1242, 0.1567



62.4150, 0.5327, 0.2922

# Complementary

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



62.4150, 0.3017, 0.5836



25.2107, 0.3156, 0.1582

# 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.



62.4150, 0.4103, 0.2231



62.4150, 0.3017, 0.5836



62.4150, 0.1753, 0.1496

# Square

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



62.4150, 0.3017, 0.5836



62.4150, 0.1089, 0.2033



62.4150, 0.2721, 0.1726



62.4150, 0.5675, 0.3690



# Rectangle

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



62.4150, 0.3017, 0.5836



62.4150, 0.1455, 0.3648



62.4150, 0.2721, 0.1726



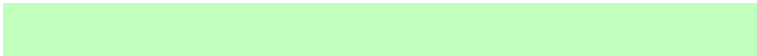
62.4150, 0.4991, 0.2680

# Sweetspot

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



62.4176, 0.3017, 0.5836



86.6018, 0.3103, 0.4003



76.4064, 0.4200, 0.4943



18.2159, 0.3099, 0.4120



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.



62.4176, 0.3017, 0.5836



71.5596, 0.3003, 0.5997



63.8464, 0.2717, 0.4832



17.6745, 0.3119, 0.3534



34.1435, 0.3005, 0.5996



2.8468, 0.3019, 0.5985



# Inverse Universe

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



25.2107, 0.3156, 0.1582



27.3344, 0.3148, 0.1508



21.8704, 0.4487, 0.2365



16.0109, 0.3134, 0.3057



13.0492, 0.3149, 0.1509

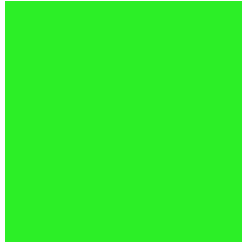


1.0917, 0.3158, 0.1513



# Previews

## White Background



This preview shows how the Yxy color 62.4150, 0.3017, 0.5836 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 62.4150, 0.3017, 0.5836 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 62.4150, 0.3017, 0.5836**

## **Background**



This preview shows how black text looks on a background with the Yxy color 62.4150, 0.3017, 0.5836.

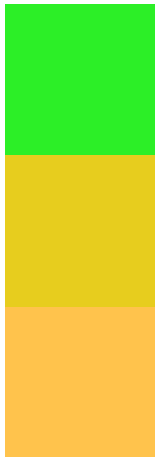


This preview shows how white text looks on a background with the Yxy color 62.4150, 0.3017, 0.5836.

# 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

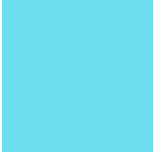
62.4150, 0.3017, 0.5836

### Protanopia

60.7453, 0.4373, 0.4828

### Deuteranopia

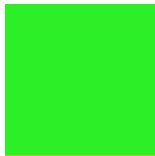
60.8120, 0.4491, 0.4401



## **Tritanopia**

61.6596, 0.2379, 0.3062

# Trichromacy



## Original Color

62.4150, 0.3017, 0.5836



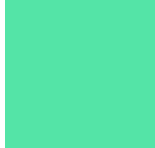
## Protanomaly

57.5220, 0.3717, 0.5319



## Deuteranomaly

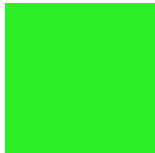
56.4124, 0.3789, 0.5023



## Tritanomaly

60.1616, 0.2652, 0.4158

# Monochromacy



## Original Color

62.4150, 0.3017, 0.5836



## Achromatopsia

34.1914, 0.3127, 0.3290



## Achromatomaly

40.4915, 0.3080, 0.4444

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.4150, 0.3017, 0.5836 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(44, 239, 39)` looks like.

```
.text, #text, p{  
  color:rgb(44, 239, 39)  
}
```

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(44, 239, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 239, 39) }
```

## Border

The CSS property to change the border of an element to Yxy 62.4150, 0.3017, 0.5836 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(44, 239, 39) }
```

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

```
.border{ border-color:rgb(44, 239, 39) }
```

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

Here you see how a box with a 4 pixel rgb(44, 239, 39) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 239, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 239, 39);  
box-shadow:4px 4px 4px 4px rgb(44, 239,  
39) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.4150, 0.3017, 0.5836 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 239, 39) }
```

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

```
.background{ background-color: rgb(44, 239,  
39) }
```

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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