

# Converting Colors

$Y_{xy}(54.6237, 0.2950, 0.5703)$

Have a look what the booklet for  
Yxy(54.6237, 0.2950, 0.5703)  
contains.

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# Color

**Yxy(54.3927, 0.2949, 0.5700)**

# Conversions

## Conversions Part 1

Format	Color
Hex	1CE139
RGB	28, 225, 57
RGB Percent	11%, 88%, 22%
CMY	0.8907, 0.1176, 0.7763
CMYK	0.88, 0.00, 0.75, 0.12
HSL	129°, 78%, 50%
HSV	129°, 88%, 88%
XYZ	28.1411, 54.3927, 12.8920
YIQ	146.9450, -63.4840, -94.0120

# Conversions

## Conversions Part 2

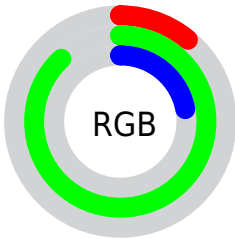
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	28, 200, 225
Decimal	1892665
CIE Lab	78.69, -74.90, 65.05
CIE LCh	79, 99.202, 139.025
Yxy	54.3927, 0.2949, 0.5700
Android (android.graphics.Color)	4280082745 (0xFF1CE139)
YUV	146.9450, -44.3429, -104.3148
Hunter-Lab	73.7514, -60.9553, 41.2619

# Details

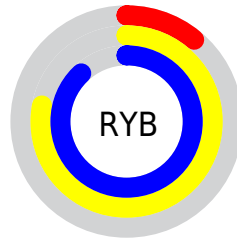
The Yxy color **54.3927, 0.2949, 0.5700** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **20.8119, 0.3564, 0.1791**, and the grayscale version is **29.3487, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.4708, 0.3049, 0.5062**, and **28.0053, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **54.0277, 0.2966, 0.5861**, and if you desaturate by 10%, it is **55.0666, 0.2940, 0.5474**.

# Distribution



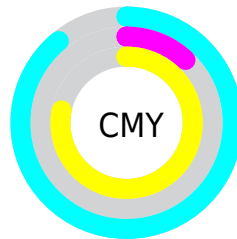
- Red (11%)
- Green (88%)
- Blue (22%)



- Red (11%)
- Yellow (78%)
- Blue (88%)



- Cyan (88%)
- Magenta (0%)
- Yellow (75%)
- Black (12%)



- Cyan (89%)
- Magenta (12%)
- Yellow (78%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 54.3927, 0.2949, 0.5700 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 54.3927, 0.2949, 0.5700 by changing the saturation by 10% instead.




 54.3927, 0.2949,  
0.5700


 54.3927, 0.2949,  
0.5700

403.6057, 0.3133,  
0.4434

 38.9157, 0.2870,  
0.6014


 96.6506, 0.3040,  
0.5237


 26.6942, 0.2751,  
0.6404


 124.2003, 0.3068,  
0.5063


 17.3437, 0.2563,  
0.6893


 156.5430, 0.3087,  
0.4916

 10.4798, 0.2299,  
0.7617

 194.0631, 0.3102,  
0.4791

 5.7182, 0.1783,  
0.8217

 237.1451, 0.3113,  
0.4683

 2.6745, 0.0492,  
0.9508

286.1732, 0.3122,

 0.9643, 0.0000,

0.4589

1.0000

341.5320, 0.3128,  
0.4507


 0.0000, 0.0000,  
0.0000

 54.3927, 0.2949,  
0.5700


 54.3927, 0.2949,  
0.5700


 54.0277, 0.2966,  
0.5861

 55.0666, 0.2940,  
0.5474


 53.9653, 0.2970,  
0.5891

 56.0992, 0.2942,  
0.5198


 57.5352, 0.2954,  
0.4890


 59.4112, 0.2975,  
0.4571

 61.7597, 0.3003,  
0.4258

 64.6100, 0.3034,  
0.3964

 67.9890, 0.3068,  
0.3694

 71.9217, 0.3102,  
0.3454

 76.4316, 0.3135,  
0.3242

# Harmonies

## Analogous

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



54.3927, 0.4064, 0.5477



54.3927, 0.2949, 0.5700



54.3927, 0.1931, 0.4603

# Triad

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



54.3927, 0.2949, 0.5700



54.3927, 0.1318, 0.1599



54.3927, 0.5310, 0.3004

# Complementary

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



54.3927, 0.2949, 0.5700



20.8119, 0.3564, 0.1791

# 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.



54.3927, 0.4183, 0.2316



54.3927, 0.2949, 0.5700



54.3927, 0.1854, 0.1552

# Square

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



54.3927, 0.2949, 0.5700



54.3927, 0.1142, 0.2022



54.3927, 0.2837, 0.1801



54.3927, 0.5581, 0.3768



# Rectangle

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



54.3927, 0.2949, 0.5700



54.3927, 0.1465, 0.3511



54.3927, 0.2837, 0.1801



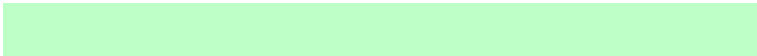
54.3927, 0.5009, 0.2763

# Sweetspot

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



54.3949, 0.2949, 0.5700



86.4012, 0.3039, 0.3924



66.0414, 0.3960, 0.5166



18.1867, 0.3028, 0.4023



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.



54.3949, 0.2949, 0.5700



71.6582, 0.2972, 0.5898



56.3900, 0.2575, 0.4382



15.3701, 0.3096, 0.3496



31.1058, 0.2965, 0.5873



2.1666, 0.2898, 0.5632



# Inverse Universe

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



20.8119, 0.3564, 0.1791



26.2839, 0.3631, 0.1774



17.7568, 0.5174, 0.2720



13.8989, 0.3160, 0.3093



11.4236, 0.3621, 0.1768

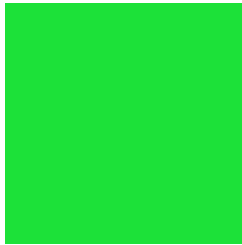


0.8014, 0.3547, 0.1728



# Previews

## White Background



This preview shows how the Yxy color 54.3927, 0.2949, 0.5700 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 54.3927, 0.2949, 0.5700 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 54.3927, 0.2949, 0.5700**

## Background



This preview shows how black text looks on a background with the Yxy color 54.3927, 0.2949, 0.5700.

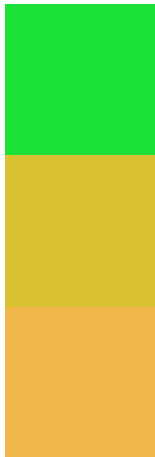


This preview shows how white text looks on a background with the Yxy color 54.3927, 0.2949, 0.5700.

# 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

54.3927, 0.2949, 0.5700

### Protanopia

53.1134, 0.4308, 0.4744

### Deuteranopia

52.8866, 0.4478, 0.4377



## Tritanopia

54.1260, 0.2361, 0.3062

# Trichromacy



## Original Color

54.3927, 0.2949, 0.5700



## Protanomaly

50.2065, 0.3611, 0.5231



## Deuteranomaly

48.5921, 0.3713, 0.4965



## Tritanomaly

52.6571, 0.2585, 0.4040

# Monochromacy



## Original Color

54.3927, 0.2949, 0.5700



## Achromatopsia

29.1771, 0.3127, 0.3290



## Achromatomaly

34.8179, 0.3000, 0.4338

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 54.3927, 0.2949, 0.5700 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(28, 225, 57)` looks like.

```
.text, #text, p{  
    color:rgb(28, 225, 57)  
}
```

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(28, 225, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(28, 225, 57) }
```

## Border

The CSS property to change the border of an element to Yxy 54.3927, 0.2949, 0.5700 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(28, 225, 57) }
```

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

```
.border{ border-color:rgb(28, 225, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(28, 225, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(28, 225, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(28, 225, 57);  
box-shadow:4px 4px 4px 4px rgb(28, 225,  
57) }
```



# Background

The CSS property to change the background color of an element to Yxy 54.3927, 0.2949, 0.5700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(28, 225, 57) }
```

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

```
.background{ background-color: rgb(28, 225,  
57) }
```

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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