

# Converting Colors

$Y_{xy}(54.1949, 0.2957, 0.5831)$

Have a look what the booklet for  
Yxy(54.1949, 0.2957, 0.5831)  
contains.

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**Color**

**Yxy(54.0571, 0.2957, 0.5828)**

# Conversions

## Conversions Part 1

Format	Color
Hex	05E12B
RGB	5, 225, 43
RGB Percent	2%, 88%, 17%
CMY	0.9786, 0.1177, 0.8315
CMYK	0.98, 0.00, 0.81, 0.12
HSL	130°, 95%, 45%
HSV	130°, 98%, 88%
XYZ	27.4274, 54.0571, 11.2696
YIQ	138.4720, -72.6980, -103.2420

# Conversions

## Conversions Part 2

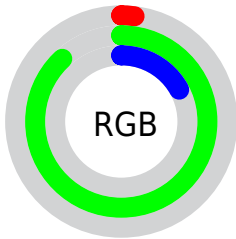
<b>Format</b>	<b>Color</b>
<b>RYB</b>	5, 193, 225
Decimal	385323
CIELab	78.50, -76.90, 69.02
CIElCh	78, 103.329, 138.090
Yxy	54.0571, 0.2957, 0.5828
Android (android.graphics.Color)	4278575403 (0xFF05E12B)
YUV	138.4720, -47.0677, -117.0549
Hunter-Lab	73.5235, -62.0781, 42.3786

# Details

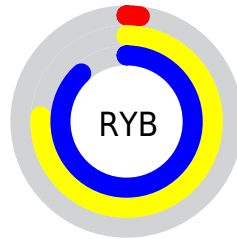
The Yxy color **54.0571, 0.2957, 0.5828** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **19.7348, 0.3687, 0.1813**, and the grayscale version is **25.8638, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.8990, 0.3067, 0.5195**, and **28.0053, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **53.9928, 0.2961, 0.5861**, and if you desaturate by 10%, it is **54.4399, 0.2937, 0.5658**.

# Distribution



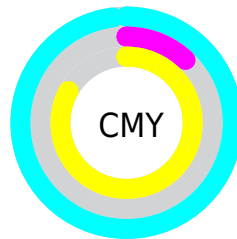
- Red (2%)
- Green (88%)
- Blue (17%)



- Red (2%)
- Yellow (76%)
- Blue (88%)



- Cyan (98%)
- Magenta (0%)
- Yellow (81%)
- Black (12%)




- Cyan (98%)
- Magenta (12%)
- Yellow (83%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 54.0571, 0.2957, 0.5828 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 54.0571, 0.2957, 0.5828 by changing the saturation by 10% instead.





 54.0571, 0.2957,  
0.5828


 54.0571, 0.2957,  
0.5828


402.3277, 0.3151,  
0.4498


 38.6473, 0.2871,  
0.6153


 96.1581, 0.3056,  
0.5344

 26.4855, 0.2740,  
0.6554


 123.6181, 0.3084,  
0.5161

 17.1872, 0.2535,  
0.7046


 155.8636, 0.3105,  
0.5006

 10.3680, 0.2244,  
0.7756


 193.2790, 0.3120,  
0.4874

 5.6437, 0.1697,  
0.8303

 236.2487, 0.3131,  
0.4761

 2.6296, 0.0255,  
0.9745

 285.1571, 0.3140,


 0.9416, 0.0000,


0.4662


1.0000


340.3887, 0.3146,  
0.4575


 0.0000, 0.0000,  
0.0000


 54.0571, 0.2957,  
0.5828


 54.0571, 0.2957,  
0.5828


 53.9928, 0.2961,  
0.5861


 54.4399, 0.2937,  
0.5658


 55.1230, 0.2926,  
0.5428


 56.1643, 0.2928,  
0.5151


 57.6056, 0.2940,  
0.4848

 59.4829, 0.2962,  
0.4535

 61.8282, 0.2992,  
0.4231

 64.6705, 0.3026,  
0.3944

 68.0361, 0.3062,  
0.3682

 71.9498, 0.3099,  
0.3449

# Harmonies

## Analogous

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



54.0571, 0.4103, 0.5521



54.0571, 0.2957, 0.5828



54.0571, 0.1906, 0.4720

# Triad

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



54.0571, 0.2957, 0.5828



54.0571, 0.1255, 0.1552



54.0571, 0.5375, 0.2958

# Complementary

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



54.0571, 0.2957, 0.5828



19.7348, 0.3687, 0.1813

# 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.



54.0571, 0.4179, 0.2261



54.0571, 0.2957, 0.5828



54.0571, 0.1787, 0.1498

# Square

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



54.0571, 0.2957, 0.5828



54.0571, 0.1085, 0.1993



54.0571, 0.2783, 0.1743



54.0571, 0.5671, 0.3731



# Rectangle

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



54.0571, 0.2957, 0.5828



54.0571, 0.1422, 0.3563



54.0571, 0.2783, 0.1743



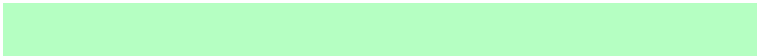
54.0571, 0.5053, 0.2714

# Sweetspot

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



54.0593, 0.2957, 0.5828



85.2307, 0.3020, 0.3989



64.6053, 0.3901, 0.5274



17.8883, 0.3005, 0.4111



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.



54.0593, 0.2957, 0.5828



71.6986, 0.2963, 0.5868



56.1462, 0.2560, 0.4402



15.3753, 0.3093, 0.3490



31.1251, 0.2956, 0.5841



2.1690, 0.2883, 0.5580



# Inverse Universe

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



19.7348, 0.3687, 0.1813



25.9850, 0.3706, 0.1815



16.6851, 0.5602, 0.2875



13.8933, 0.3164, 0.3098



11.2962, 0.3693, 0.1808

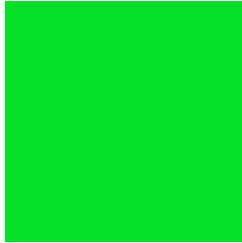


0.7938, 0.3605, 0.1760



# Previews

## White Background



This preview shows how the Yxy color 54.0571, 0.2957, 0.5828 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 54.0571, 0.2957, 0.5828 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

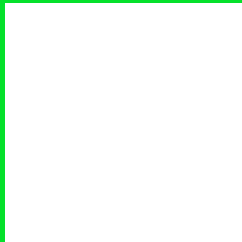
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 54.0571, 0.2957, 0.5828**

## **Background**



This preview shows how black text looks on a background with the Yxy color 54.0571, 0.2957, 0.5828.



This preview shows how white text looks on a background with the Yxy color 54.0571, 0.2957, 0.5828.

# 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

54.0571, 0.2957, 0.5828

### Protanopia

53.0071, 0.4353, 0.4810

### Deuteranopia

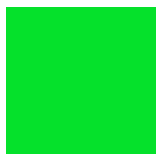
52.9379, 0.4538, 0.4438



## Tritanopia

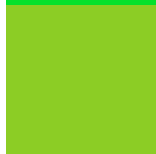
53.9639, 0.2358, 0.3074

# Trichromacy



## Original Color

54.0571, 0.2957, 0.5828



## Protanomaly

49.3717, 0.3589, 0.5373



## Deuteranomaly

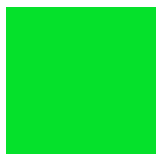
47.6423, 0.3694, 0.5112



## Tritanomaly

52.1282, 0.2587, 0.4143

# Monochromacy



## Original Color

54.0571, 0.2957, 0.5828



## Achromatopsia

25.8183, 0.3127, 0.3290



## Achromatomaly

31.9226, 0.2964, 0.4486

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 54.0571, 0.2957, 0.5828 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(5, 225, 43)` looks like.

```
.text, #text, p{  
    color:rgb(5, 225, 43)  
}
```

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(5, 225, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 225, 43) }
```

## Border

The CSS property to change the border of an element to Yxy 54.0571, 0.2957, 0.5828 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(5, 225, 43) }
```

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

```
.border{ border-color:rgb(5, 225, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(5, 225, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 225, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(5, 225, 43);  
box-shadow:4px 4px 4px 4px rgb(5, 225, 43)  
}
```



# Background

The CSS property to change the background color of an element to Yxy 54.0571, 0.2957, 0.5828 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 225, 43) }
```

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

```
.background{ background-color: rgb(5, 225,  
43) }
```

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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