

# Converting Colors

$Y_{xy}(54.2019, 0.3229, 0.5818)$

Have a look what the booklet for  
Yxy(54.2019, 0.3229, 0.5818)  
contains.

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**Color**

**Yxy(54.3173, 0.3229, 0.5818)**

# Conversions

## Conversions Part 1

Format	Color
Hex	58DE00
RGB	88, 222, 0
RGB Percent	35%, 87%, 0%
CMY	0.6549, 0.1294, 0.9996
CMYK	0.60, 0.00, 1.00, 0.13
HSL	96°, 100%, 44%
HSV	96°, 100%, 87%
XYZ	30.1462, 54.3173, 8.8973
YIQ	156.6260, -8.6020, -97.4500

# Conversions

## Conversions Part 2

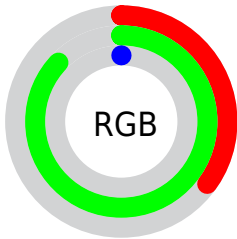
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 222, 134
Decimal	5824000
CIELab	78.65, -66.97, 76.39
CIELCh	79, 101.596, 131.240
Yxy	54.3173, 0.3229, 0.5818
Android (android.graphics.Color)	4284014080 (0xFF58DE00)
YUV	156.6260, -77.2166, -60.1850
Hunter-Lab	73.7003, -55.9622, 44.4326

# Details

The Yxy color **54.3173, 0.3229, 0.5818** 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 **10.3524, 0.2230, 0.1002**, and the grayscale version is **33.9026, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.8673, 0.3345, 0.5236**, and **27.2724, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **54.3166, 0.3229, 0.5818**, and if you desaturate by 10%, it is **55.0940, 0.3283, 0.5708**.

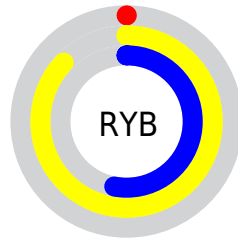
# Distribution



Red (35%)

Green (87%)

Blue (0%)



Red (0%)

Yellow (87%)

Blue (53%)

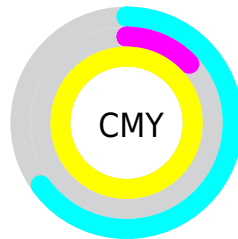


Cyan (60%)

Magenta (0%)

Yellow (100%)

Black (13%)



Cyan (65%)

Magenta (13%)


Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 54.3173, 0.3229, 0.5818 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 54.3173, 0.3229, 0.5818 by changing the saturation by 10% instead.




 54.3173, 0.3229,  
0.5818


 54.3173, 0.3229,  
0.5818


403.3188, 0.3307,  
0.4529

 38.8554, 0.3163,  
0.6116

 96.5400, 0.3292,  
0.5361

 26.6473, 0.3054,  
0.6472


 124.0695, 0.3305,  
0.5184


 17.3085, 0.2880,  
0.6912


 156.3904, 0.3312,  
0.5033

 10.4547, 0.2584,  
0.7416

 193.8871, 0.3314,  
0.4904

 5.7014, 0.2085,  
0.7915

 236.9438, 0.3314,  
0.4791

 2.6644, 0.1093,  
0.8907

 285.9451, 0.3313,

 0.9591, 0.0000,

0.4692

1.0000

341.2753, 0.3310,  
0.4606

■ 0.0000, 0.0000,  
0.0000

■ 54.3173, 0.3229,  
0.5818

■ 54.3173, 0.3229,  
0.5818

■ 54.3166, 0.3229,  
0.5818

■ 55.0940, 0.3283,  
0.5708

■ 56.0624, 0.3324,  
0.5541

■ 57.2524, 0.3347,  
0.5315

■ 58.6818, 0.3352,  
0.5042

■ 60.3660, 0.3338,  
0.4740

■ 62.3191, 0.3311,  
0.4426

■ 64.5538, 0.3272,  
0.4115

■ 67.0821, 0.3227,  
0.3818

■ 69.9149, 0.3178,  
0.3541

# Harmonies

## Analogous

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



54.3173, 0.4348, 0.5311



54.3173, 0.3229, 0.5818



54.3173, 0.2141, 0.5047

# Triad

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



54.3173, 0.3229, 0.5818



54.3173, 0.1210, 0.1636



54.3173, 0.5129, 0.2802

# Complementary

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



54.3173, 0.3229, 0.5818



10.3524, 0.2230, 0.1002

# 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.



54.3173, 0.3836, 0.2138



54.3173, 0.3229, 0.5818



54.3173, 0.1649, 0.1505

# Square

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



54.3173, 0.3229, 0.5818



54.3173, 0.1118, 0.2190



54.3173, 0.2522, 0.1682



54.3173, 0.5653, 0.3554



# Rectangle

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



54.3173, 0.3229, 0.5818



54.3173, 0.1588, 0.3943



54.3173, 0.2522, 0.1682



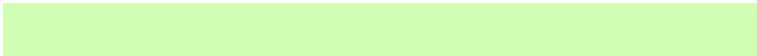
54.3173, 0.4752, 0.2566

# Sweetspot

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



54.3196, 0.3229, 0.5818



88.2813, 0.3274, 0.4123



32.3712, 0.5130, 0.4308



18.6083, 0.3291, 0.4254



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.



54.3196, 0.3229, 0.5818



74.2876, 0.3224, 0.5822



52.3043, 0.2983, 0.5940



15.6008, 0.3175, 0.3528



32.3221, 0.3239, 0.5810



2.2913, 0.3361, 0.5714



# Inverse Universe

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



10.3524, 0.2230, 0.1002



14.0885, 0.2223, 0.0998



19.6936, 0.3481, 0.1692



13.6506, 0.3075, 0.3054



6.2121, 0.2243, 0.1009

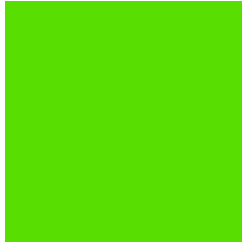


0.4821, 0.2390, 0.1090



# Previews

## White Background



This preview shows how the Yxy color 54.3173, 0.3229, 0.5818 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

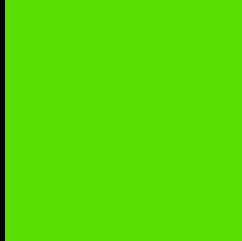
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 54.3173, 0.3229, 0.5818 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

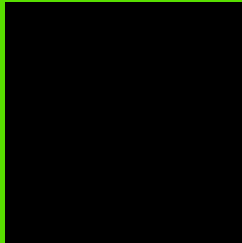
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

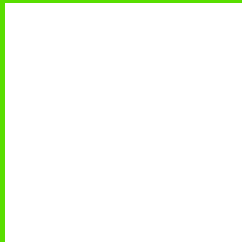
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 54.3173, 0.3229, 0.5818**

## Background



This preview shows how black text looks on a background with the Yxy color 54.3173, 0.3229, 0.5818.



This preview shows how white text looks on a background with the Yxy color 54.3173, 0.3229, 0.5818.

# 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

54.3173, 0.3229, 0.5818

### Protanopia

53.4890, 0.4403, 0.4886

### Deuteranopia

53.1189, 0.4630, 0.4522



## Tritanopia

53.7554, 0.2492, 0.3066

# Trichromacy



## Original Color

54.3173, 0.3229, 0.5818



## Protanomaly

51.8437, 0.3909, 0.5279



## Deuteranomaly

50.5860, 0.4066, 0.5056



## Tritanomaly

52.4195, 0.2885, 0.4323

# Monochromacy



## Original Color

54.3173, 0.3229, 0.5818



## Achromatopsia

33.7164, 0.3127, 0.3290



## Achromatomaly

38.8734, 0.3323, 0.4558

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 54.3173, 0.3229, 0.5818 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(88, 222, 0)` looks like.

```
.text, #text, p{  
    color:rgb(88, 222, 0)  
}
```

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(88, 222, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 222, 0) }
```

## Border

The CSS property to change the border of an element to Yxy 54.3173, 0.3229, 0.5818 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(88, 222, 0) }
```

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

```
.border{ border-color:rgb(88, 222, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 222, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 222, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 222, 0);  
box-shadow:4px 4px 4px 4px rgb(88, 222, 0)  
}
```



# Background

The CSS property to change the background color of an element to Yxy 54.3173, 0.3229, 0.5818 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 222, 0) }
```

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

```
.background{ background-color: rgb(88, 222,  
0) }
```

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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