

# Converting Colors

$Y_{xy}(54.1259, 0.2984, 0.5927)$

Have a look what the booklet for  
Yxy(54.1259, 0.2984, 0.5927)  
contains.

<b>Yxy(53.9529, 0.2984, 0.5928)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(53.9529, 0.2984, 0.5928)**

# Conversions

## Conversions Part 1

Format	Color
Hex	04E119
RGB	4, 225, 25
RGB Percent	2%, 88%, 10%
CMY	0.9824, 0.1176, 0.9019
CMYK	0.98, 0.00, 0.89, 0.12
HSL	126°, 96%, 45%
HSV	126°, 98%, 88%
XYZ	27.1585, 53.9529, 9.9023
YIQ	136.1210, -67.5160, -109.0520

# Conversions

## Conversions Part 2

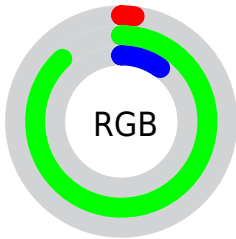
<b>Format</b>	<b>Color</b>
<b>RYB</b>	4, 206, 225
Decimal	319769
CIELab	78.43, -77.72, 72.88
CIELCh	78, 106.542, 136.841
Yxy	53.9529, 0.2984, 0.5928
Android (android.graphics.Color)	4278509849 (0xFF04E119)
YUV	136.1210, -54.7827, -115.8701
Hunter-Lab	73.4526, -62.5433, 43.4239

# Details

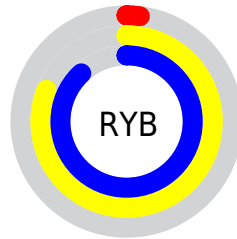
The Yxy color **53.9529, 0.2984, 0.5928** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **20.4891, 0.3456, 0.1683**, and the grayscale version is **24.9573, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.7729, 0.3107, 0.5295**, and **28.0053, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **53.9099, 0.2985, 0.5946**, and if you desaturate by 10%, it is **54.2815, 0.2974, 0.5795**.

# Distribution



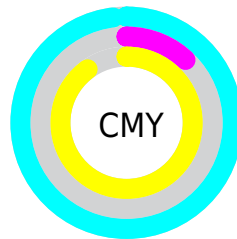
- Red (2%)
- Green (88%)
- Blue (10%)



- Red (2%)
- Yellow (81%)
- Blue (88%)



- Cyan (98%)
- Magenta (0%)
- Yellow (89%)
- Black (12%)




- Cyan (98%)
- Magenta (12%)
- Yellow (90%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.9529, 0.2984, 0.5928 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 53.9529, 0.2984, 0.5928 by changing the saturation by 10% instead.




 53.9529, 0.2984,  
0.5928

 53.9529, 0.2984,  
0.5928


401.9304, 0.3178,  
0.4552

 38.5640, 0.2893,  
0.6258

 96.0051, 0.3086,  
0.5431


 26.4207, 0.2754,  
0.6660


 123.4372, 0.3115,  
0.5242


 17.1386, 0.2539,  
0.7151


 155.6524, 0.3135,  
0.5082

 10.3334, 0.2214,  
0.7786

 193.0353, 0.3150,  
0.4944

 5.6206, 0.1663,  
0.8337

 235.9701, 0.3161,  
0.4826

 2.6158, 0.0160,  
0.9840

 284.8413, 0.3168,

 0.9346, 0.0000,

0.4723

1.0000

340.0333, 0.3174,  
0.4632

■ 0.0000, 0.0000,  
0.0000

■ 53.9529, 0.2984,  
0.5928

■ 53.9529, 0.2984,  
0.5928

■ 53.9099, 0.2985,  
0.5946

■ 54.2815, 0.2974,  
0.5795

■ 54.9124, 0.2970,  
0.5586

■ 55.9088, 0.2974,  
0.5315

■ 57.3155, 0.2986,  
0.5001

■ 59.1706, 0.3005,  
0.4667

■ 61.5080, 0.3028,  
0.4336

■ 64.3582, 0.3054,  
0.4021

■ 67.7494, 0.3081,  
0.3732

■ 71.7074, 0.3107,  
0.3474

# Harmonies

## Analogous

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



53.9529, 0.4152, 0.5534



53.9529, 0.2984, 0.5928



53.9529, 0.1905, 0.4844

# Triad

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



53.9529, 0.2984, 0.5928



53.9529, 0.1203, 0.1522



53.9529, 0.5406, 0.2908

# Complementary

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



53.9529, 0.2984, 0.5928



20.4891, 0.3456, 0.1683

# 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.



53.9529, 0.4146, 0.2208



53.9529, 0.2984, 0.5928



53.9529, 0.1723, 0.1456

# Square

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



53.9529, 0.2984, 0.5928



53.9529, 0.1044, 0.1985



53.9529, 0.2717, 0.1692



53.9529, 0.5741, 0.3686



# Rectangle

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



53.9529, 0.2984, 0.5928



53.9529, 0.1402, 0.3637



53.9529, 0.2717, 0.1692



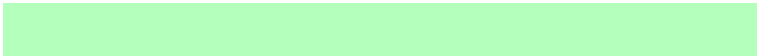
53.9529, 0.5063, 0.2664

# Sweetspot

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



53.9551, 0.2984, 0.5928



84.9778, 0.3051, 0.4057



67.0784, 0.4046, 0.5161



17.8301, 0.3040, 0.4191



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.



53.9551, 0.2984, 0.5928



71.5849, 0.2987, 0.5951



55.5818, 0.2643, 0.4705



15.3579, 0.3103, 0.3509



31.0696, 0.2982, 0.5934



2.1608, 0.2934, 0.5763



# Inverse Universe

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



20.4891, 0.3456, 0.1683



27.0441, 0.3463, 0.1682



16.9579, 0.5286, 0.2697



13.9125, 0.3152, 0.3080



11.7473, 0.3457, 0.1678

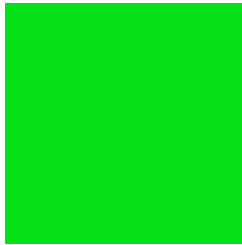


0.8208, 0.3414, 0.1655



# Previews

## White Background



This preview shows how the Yxy color 53.9529, 0.2984, 0.5928 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 53.9529, 0.2984, 0.5928 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

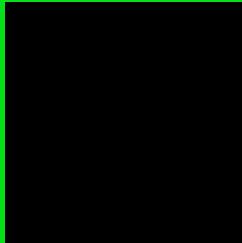
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

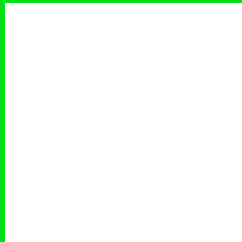
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 53.9529, 0.2984, 0.5928**

## **Background**



This preview shows how black text looks on a background with the Yxy color 53.9529, 0.2984, 0.5928.



This preview shows how white text looks on a background with the Yxy color 53.9529, 0.2984, 0.5928.

# 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

53.9464, 0.2984, 0.5928

### Protanopia

52.9158, 0.4393, 0.4869

### Deuteranopia

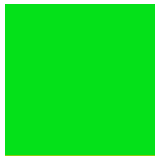
52.4230, 0.4592, 0.4485



## Tritanopia

53.4716, 0.2355, 0.3060

# Trichromacy



## Original Color

53.9464, 0.2984, 0.5928



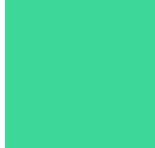
## Protanomaly

49.2755, 0.3626, 0.5457



## Deuteranomaly

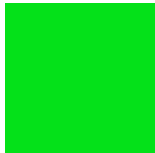
47.5311, 0.3739, 0.5204



## Tritanomaly

51.8929, 0.2614, 0.4242

# Monochromacy



## Original Color

53.9464, 0.2984, 0.5928



## Achromatopsia

24.6201, 0.3127, 0.3290



## Achromatomaly

30.9245, 0.3004, 0.4613

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.9529, 0.2984, 0.5928 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(4, 225, 25)` looks like.

```
.text, #text, p{  
    color:rgb(4, 225, 25)  
}
```

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(4, 225, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 225, 25) }
```

## Border

The CSS property to change the border of an element to Yxy 53.9529, 0.2984, 0.5928 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(4, 225, 25) }
```

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

```
.border{ border-color:rgb(4, 225, 25) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 225, 25)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 225, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 225, 25);  
box-shadow:4px 4px 4px 4px rgb(4, 225, 25)  
}
```



# Background

The CSS property to change the background color of an element to Yxy 53.9529, 0.2984, 0.5928 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 225, 25) }
```

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

```
.background{ background-color: rgb(4, 225,  
25) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor