

# Converting Colors

$Yxy(54.2025, 0.2909, 0.5672)$

Have a look what the booklet for  
Yxy(54.2025, 0.2909, 0.5672)  
contains.

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# Color

**Yxy(54.1982, 0.2909, 0.5672)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00E13E
RGB	0, 225, 62
RGB Percent	0%, 88%, 24%
CMY	0.9995, 0.1176, 0.7567
CMYK	1.00, 0.00, 0.72, 0.12
HSL	137°, 100%, 44%
HSV	137°, 100%, 88%
XYZ	27.7966, 54.1982, 13.5591
YIQ	139.1430, -81.7770, -98.3930

# Conversions

## Conversions Part 2

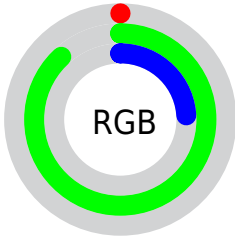
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 176, 225
Decimal	57662
CIELab	78.58, -75.77, 63.19
CIELCh	79, 98.665, 140.175
Yxy	54.1982, 0.2909, 0.5672
Android (android.graphics.Color)	4278247742 (0xFF00E13E)
YUV	139.1430, -38.0315, -122.0284
Hunter-Lab	73.6194, -61.4374, 40.6137

# Details

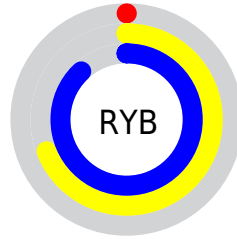
The Yxy color **54.1982, 0.2909, 0.5672** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **18.6578, 0.4067, 0.2014**, and the grayscale version is **26.0672, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.1669, 0.3006, 0.5029**, and **28.0053, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **54.1986, 0.2909, 0.5673**, and if you desaturate by 10%, it is **54.5842, 0.2879, 0.5484**.

# Distribution



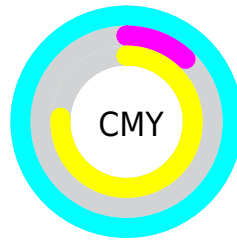
- Red (0%)
- Green (88%)
- Blue (24%)



- Red (0%)
- Yellow (69%)
- Blue (88%)



- Cyan (100%)
- Magenta (0%)
- Yellow (72%)
- Black (12%)




- Cyan (100%)
- Magenta (12%)
- Yellow (76%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 54.1982, 0.2909, 0.5672 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 54.1982, 0.2909, 0.5672 by changing the saturation by 10% instead.





 54.1982, 0.2909,  
0.5672


 54.1982, 0.2909,  
0.5672


402.8654, 0.3109,  
0.4416

 38.7601, 0.2828,  
0.5986


 96.3652, 0.3005,  
0.5210


 26.5732, 0.2707,  
0.6379


 123.8629, 0.3034,  
0.5038


 17.2529, 0.2519,  
0.6876

 156.1493, 0.3055,  
0.4892

 10.4150, 0.2246,  
0.7585


 193.6088, 0.3072,  
0.4768

 5.6750, 0.1743,  
0.8257

 236.6258, 0.3085,  
0.4662

 2.6485, 0.0381,  
0.9619

285.5846, 0.3094,

 0.9511, 0.0000,

0.4569

1.0000

340.8696, 0.3102,  
0.4488

■ 0.0000, 0.0000,  
0.0000

■ 54.1982, 0.2909,  
0.5672

■ 54.1982, 0.2909,  
0.5672

■ 54.1986, 0.2909,  
0.5673

■ 54.5842, 0.2879,  
0.5484

■ 55.2320, 0.2860,  
0.5254

■ 56.2136, 0.2857,  
0.4995

■ 57.5704, 0.2869,  
0.4719

■ 59.3376, 0.2895,  
0.4440

■ 61.5462, 0.2931,  
0.4169

■ 64.2241, 0.2976,  
0.3916

■ 67.3969, 0.3025,  
0.3683

■ 71.0882, 0.3076,  
0.3474

# Harmonies

## Analogous

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



54.1982, 0.4022, 0.5496



54.1982, 0.2909, 0.5672



54.1982, 0.1904, 0.4535

# Triad

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



54.1982, 0.2909, 0.5672



54.1982, 0.1337, 0.1596



54.1982, 0.5329, 0.3034

# Complementary

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



54.1982, 0.2909, 0.5672



18.6578, 0.4067, 0.2014

# 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.



54.1982, 0.4231, 0.2343



54.1982, 0.2909, 0.5672



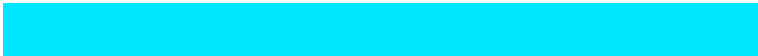
54.1982, 0.1887, 0.1561

# Square

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



54.1982, 0.2909, 0.5672



54.1982, 0.1148, 0.2002



54.1982, 0.2885, 0.1820



54.1982, 0.5565, 0.3800



# Rectangle

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



54.1982, 0.2909, 0.5672



54.1982, 0.1450, 0.3452



54.1982, 0.2885, 0.1820



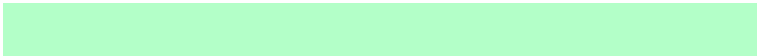
54.1982, 0.5040, 0.2793

# Sweetspot

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



54.2004, 0.2909, 0.5672



85.1940, 0.2974, 0.3922



61.8546, 0.3723, 0.5425



17.8966, 0.2955, 0.4028



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

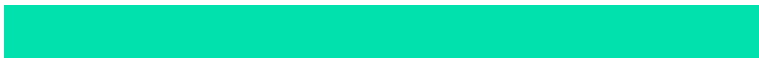
The Same Dimension uses a secret algorithm to generate beautiful new colors.



54.2004, 0.2909, 0.5672



71.9649, 0.2912, 0.5684



56.8511, 0.2464, 0.4069



15.3990, 0.3078, 0.3464



31.2482, 0.2902, 0.5647



2.1808, 0.2817, 0.5340



# Inverse Universe

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



18.6578, 0.4067, 0.2014



24.7538, 0.4074, 0.2018



16.2639, 0.6008, 0.3084



13.8679, 0.3180, 0.3122



10.7697, 0.4051, 0.2005

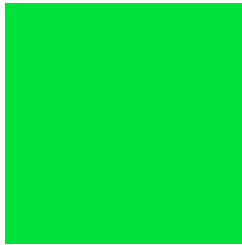


0.7614, 0.3892, 0.1917



# Previews

## White Background



This preview shows how the Yxy color 54.1982, 0.2909, 0.5672 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 54.1982, 0.2909, 0.5672 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

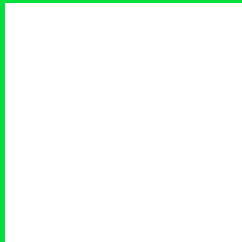
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 54.1982, 0.2909, 0.5672**

## **Background**



This preview shows how black text looks on a background with the Yxy color 54.1982, 0.2909, 0.5672.

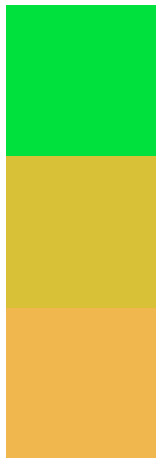


This preview shows how white text looks on a background with the Yxy color 54.1982, 0.2909, 0.5672.

# 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

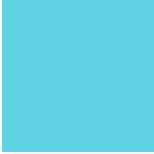
54.1982, 0.2909, 0.5672

### Protanopia

53.0052, 0.4281, 0.4722

### Deuteranopia

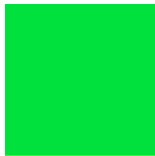
52.9423, 0.4455, 0.4348



## **Tritanopia**

53.9145, 0.2346, 0.3061

# Trichromacy



## Original Color

54.1982, 0.2909, 0.5672



## Protanomaly

49.2764, 0.3506, 0.5253



## Deuteranomaly

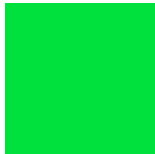
47.6284, 0.3608, 0.4980



## Tritanomaly

52.3207, 0.2538, 0.4015

# Monochromacy



## Original Color

54.1982, 0.2909, 0.5672



## Achromatopsia

25.8183, 0.3127, 0.3290



## Achromatomaly

31.9719, 0.2900, 0.4360

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  54.1982, 0.2909, 0.5672 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(0, 225, 62)` looks like.

```
.text, #text, p{  
    color:rgb(0, 225, 62)  
}
```

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(0, 225, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 225, 62) }
```

## Border

The CSS property to change the border of an element to Yxy 54.1982, 0.2909, 0.5672 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(0, 225, 62) }
```

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

```
.border{ border-color:rgb(0, 225, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 225, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 225, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 225, 62);  
box-shadow:4px 4px 4px 4px rgb(0, 225, 62)  
}
```



# Background

The CSS property to change the background color of an element to Yxy 54.1982, 0.2909, 0.5672 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 225, 62) }
```

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

```
.background{ background-color: rgb(0, 225,  
62) }
```

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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