

# Converting Colors

$Y_{xy}(54.5571, 0.2758, 0.5128)$

Have a look what the booklet for  
Yxy(54.5571, 0.2758, 0.5128)  
contains.

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# Color

**Yxy(54.3519, 0.2755, 0.5118)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00E06A
RGB	0, 224, 106
RGB Percent	0%, 88%, 42%
CMY	1.0000, 0.1216, 0.5842
CMYK	1.00, 0.00, 0.53, 0.12
HSL	148°, 100%, 44%
HSV	148°, 100%, 88%
XYZ	29.2574, 54.3519, 22.5882
YIQ	143.5720, -95.6260, -84.1860

# Conversions

## Conversions Part 2

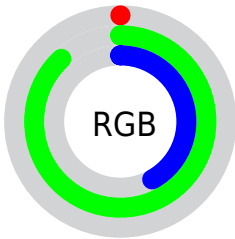
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 152, 224
Decimal	57450
CIELab	78.67, -70.45, 44.82
CIELCh	79, 83.496, 147.533
Yxy	54.3519, 0.2755, 0.5118
Android (android.graphics.Color)	4278247530 (0xFF00E06A)
YUV	143.5720, -18.5230, -125.9126
Hunter-Lab	73.7237, -58.1784, 33.4408

# Details

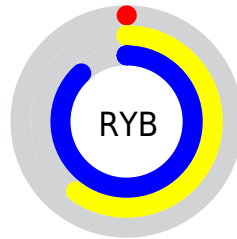
The Yxy color **54.3519, 0.2755, 0.5118** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **17.1556, 0.4871, 0.2457**, and the grayscale version is **27.8149, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.1839, 0.2817, 0.4514**, and **27.9038, 0.2868, 0.5525** is the 20% darker color. If you saturate the color by 10%, you get **54.3542, 0.2755, 0.5118**, and if you desaturate by 10%, it is **54.7921, 0.2723, 0.4931**.

# Distribution



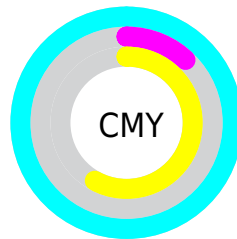
- Red (0%)
- Green (88%)
- Blue (42%)



- Red (0%)
- Yellow (60%)
- Blue (88%)



- Cyan (100%)
- Magenta (0%)
- Yellow (53%)
- Black (12%)




- Cyan (100%)
- Magenta (12%)
- Yellow (58%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 54.3519, 0.2755, 0.5118 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 54.3519, 0.2755, 0.5118 by changing the saturation by 10% instead.





 54.3519, 0.2755,  
0.5118


 54.3519, 0.2755,  
0.5118


403.4505, 0.2986,  
0.4149

 38.8831, 0.2683,  
0.5371


 96.5907, 0.2850,  
0.4756


 26.6688, 0.2582,  
0.5700


 124.1295, 0.2882,  
0.4622

 17.3246, 0.2434,  
0.6137


 156.4604, 0.2908,  
0.4511

 10.4662, 0.2206,  
0.6736

 193.9679, 0.2930,  
0.4416

 5.7091, 0.1866,  
0.7700

 237.0362, 0.2947,  
0.4335

 2.6690, 0.0839,  
0.9161


286.0498, 0.2962,


 0.9615, 0.0000,


0.4265

1.0000


341.3931, 0.2975,  
0.4203


 0.0000, 0.0000,  
0.0000

 54.3519, 0.2755,  
0.5118

 54.3519, 0.2755,  
0.5118


 54.3542, 0.2755,  
0.5118

 54.7921, 0.2723,  
0.4931

 55.4680, 0.2707,  
0.4732

 56.4491, 0.2711,  
0.4525

 57.7739, 0.2735,  
0.4317

 59.4751, 0.2776,  
0.4114

■ 61.5814, 0.2831,  
0.3920

■ 64.1186, 0.2897,  
0.3739

■ 67.1103, 0.2970,  
0.3574

■ 70.5784, 0.3047,  
0.3424

# Harmonies

## Analogous

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



54.3519, 0.3746, 0.5310



54.3519, 0.2755, 0.5118



54.3519, 0.1917, 0.4005

# Triad

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



54.3519, 0.2755, 0.5118



54.3519, 0.1629, 0.1760



54.3519, 0.5136, 0.3276

# Complementary

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



54.3519, 0.2755, 0.5118



17.1556, 0.4871, 0.2457

# 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.



54.3519, 0.4344, 0.2616



54.3519, 0.2755, 0.5118



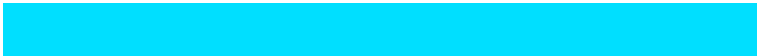
54.3519, 0.2230, 0.1789

# Square

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



54.3519, 0.2755, 0.5118



54.3519, 0.1378, 0.2055



54.3519, 0.3201, 0.2089



54.3519, 0.5199, 0.4001



# Rectangle

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



54.3519, 0.2755, 0.5118



54.3519, 0.1564, 0.3155



54.3519, 0.3201, 0.2089



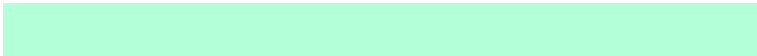
54.3519, 0.4944, 0.3047

# Sweetspot

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



54.3542, 0.2755, 0.5118



85.9354, 0.2895, 0.3743



57.2685, 0.3404, 0.5679



18.0700, 0.2866, 0.3818



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.



54.3542, 0.2755, 0.5118



72.8928, 0.2758, 0.5131



58.2990, 0.2275, 0.3391



15.4447, 0.3052, 0.3416



31.6598, 0.2747, 0.5090



2.2125, 0.2666, 0.4798



# Inverse Universe

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



17.1556, 0.4871, 0.2457



22.9900, 0.4886, 0.2465



15.8642, 0.6373, 0.3284



13.8206, 0.3210, 0.3167



10.0089, 0.4839, 0.2439

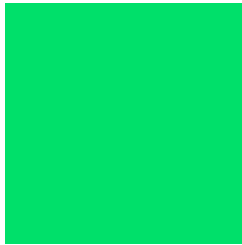


0.7118, 0.4519, 0.2263



# Previews

## White Background



This preview shows how the Yxy color 54.3519, 0.2755, 0.5118 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 54.3519, 0.2755, 0.5118 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 54.3519, 0.2755, 0.5118**

## **Background**



This preview shows how black text looks on a background with the Yxy color 54.3519, 0.2755, 0.5118.

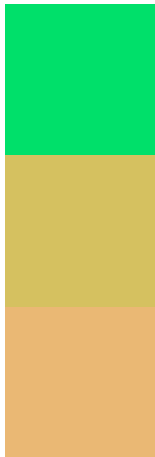


This preview shows how white text looks on a background with the Yxy color 54.3519, 0.2755, 0.5118.

# 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

54.3519, 0.2755, 0.5118

### Protanopia

53.1306, 0.4035, 0.4409

### Deuteranopia

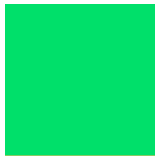
53.0344, 0.4134, 0.4043



## Tritanopia

54.2162, 0.2328, 0.3061

# Trichromacy



## Original Color

54.3519, 0.2755, 0.5118



## Protanomaly

49.3401, 0.3300, 0.4782



## Deuteranomaly

48.4063, 0.3342, 0.4527



## Tritanomaly

53.3847, 0.2450, 0.3760

# Monochromacy



## Original Color

54.3519, 0.2755, 0.5118



## Achromatopsia

27.8894, 0.3127, 0.3290



## Achromatomaly

33.7742, 0.2799, 0.4042

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 54.3519, 0.2755, 0.5118 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, 224, 106)` looks like.

```
.text, #text, p{  
    color:rgb(0, 224, 106)  
}
```

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, 224, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 224, 106) }
```

## Border

The CSS property to change the border of an element to Yxy 54.3519, 0.2755, 0.5118 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, 224, 106) }
```

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

```
.border{ border-color:rgb(0, 224, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 224, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 224, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 224, 106);  
box-shadow:4px 4px 4px 4px rgb(0, 224,  
106) }
```



# Background

The CSS property to change the background color of an element to Yxy 54.3519, 0.2755, 0.5118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 224, 106) }
```

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

```
.background{ background-color: rgb(0, 224,  
106) }
```

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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