

# Converting Colors

$Y_{xy}(55.1605, 0.2935, 0.5765)$

Have a look what the booklet for  
Yxy(55.1605, 0.2935, 0.5765)  
contains.

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# Color

**$\text{Yxy}(55.1861, 0.2935, 0.5767)$**

# Conversions

## Conversions Part 1

Format	Color
Hex	00E334
RGB	0, 227, 52
RGB Percent	0%, 89%, 20%
CMY	1.0000, 0.1098, 0.7960
CMYK	1.00, 0.00, 0.77, 0.11
HSL	134°, 100%, 45%
HSV	134°, 100%, 89%
XYZ	28.0859, 55.1861, 12.4209
YIQ	139.1770, -79.1170, -102.5490

# Conversions

## Conversions Part 2

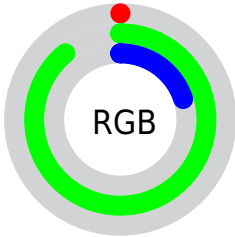
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 185, 227
Decimal	58164
CIELab	79.15, -77.09, 67.05
CIELCh	79, 102.170, 138.984
Yxy	55.1861, 0.2935, 0.5767
Android (android.graphics.Color)	4278248244 (0xFF00E334)
YUV	139.1770, -42.9783, -122.0582
Hunter-Lab	74.2873, -62.5172, 42.0878

# Details

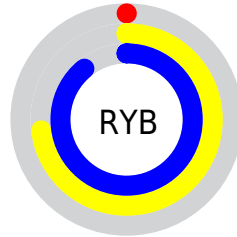
The Yxy color **55.1861, 0.2935, 0.5767** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **19.4272, 0.3900, 0.1922**, and the grayscale version is **26.0847, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.0472, 0.3041, 0.5119**, and **28.7495, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **55.1905, 0.2935, 0.5767**, and if you desaturate by 10%, it is **55.5572, 0.2909, 0.5590**.

# Distribution



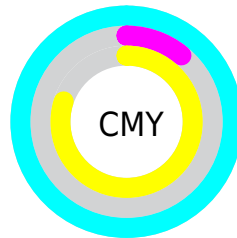
- Red (0%)
- Green (89%)
- Blue (20%)



- Red (0%)
- Yellow (73%)
- Blue (89%)



- Cyan (100%)
- Magenta (0%)
- Yellow (77%)
- Black (11%)




- Cyan (100%)
- Magenta (11%)
- Yellow (80%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 55.1861, 0.2935, 0.5767 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 55.1861, 0.2935, 0.5767 by changing the saturation by 10% instead.





 55.1861, 0.2935,  
0.5767

 55.1861, 0.2935,  
0.5767


406.6170, 0.3132,  
0.4469

 39.5507, 0.2852,  
0.6086

 97.8136, 0.3032,  
0.5294

 27.1884, 0.2726,  
0.6482


 125.5745, 0.3061,  
0.5115


 17.7148, 0.2530,  
0.6972


 158.1460, 0.3082,  
0.4965

 10.7454, 0.2262,  
0.7715

 195.9126, 0.3098,  
0.4836

 5.8959, 0.1731,  
0.8269

 239.2585, 0.3110,  
0.4725

 2.7819, 0.0456,  
0.9544

288.5683, 0.3119,

 1.0190, 0.0000,

0.4629

1.0000

344.2264, 0.3126,  
0.4544

■ 0.0000, 0.0000,  
0.0000

■ 55.1861, 0.2935,  
0.5767

■ 55.1861, 0.2935,  
0.5767

■ 55.1905, 0.2935,  
0.5767

■ 55.5572, 0.2909,  
0.5590

■ 56.1978, 0.2892,  
0.5364

■ 57.1850, 0.2888,  
0.5100

■ 58.5620, 0.2899,  
0.4812

■ 60.3657, 0.2922,  
0.4518

■ 62.6285, 0.2955,  
0.4230

■ 65.3796, 0.2994,  
0.3959

■ 68.6459, 0.3037,  
0.3711

■ 72.4520, 0.3082,  
0.3488

# Harmonies

## Analogous

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



55.1861, 0.4068, 0.5515



55.1861, 0.2935, 0.5767



55.1861, 0.1902, 0.4642

# Triad

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



55.1861, 0.2935, 0.5767



55.1861, 0.1288, 0.1568



55.1861, 0.5360, 0.2990

# Complementary

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



55.1861, 0.2935, 0.5767



19.4272, 0.3900, 0.1922

# 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.



55.1861, 0.4204, 0.2295



55.1861, 0.2935, 0.5767



55.1861, 0.1828, 0.1522

# Square

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



55.1861, 0.2935, 0.5767



55.1861, 0.1109, 0.1994



55.1861, 0.2827, 0.1774



55.1861, 0.5630, 0.3761



# Rectangle

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



55.1861, 0.2935, 0.5767



55.1861, 0.1431, 0.3514



55.1861, 0.2827, 0.1774



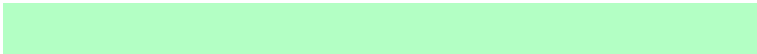
55.1861, 0.5052, 0.2747

# Sweetspot

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



55.1905, 0.2935, 0.5767



85.0310, 0.2993, 0.3964



64.3865, 0.3810, 0.5357



17.8589, 0.2976, 0.4077



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.



55.1905, 0.2935, 0.5767



71.8298, 0.2938, 0.5776



57.5757, 0.2514, 0.4251



16.1430, 0.3085, 0.3476



32.1995, 0.2929, 0.5744



2.3934, 0.2853, 0.5470



# Inverse Universe

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



19.4272, 0.3900, 0.1922



25.2718, 0.3905, 0.1925



16.7060, 0.5853, 0.2998



14.5558, 0.3173, 0.3111



11.3477, 0.3887, 0.1915

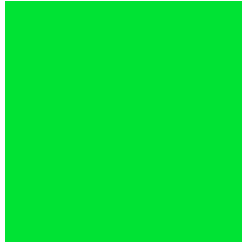


0.8524, 0.3768, 0.1849



# Previews

## White Background



This preview shows how the Yxy color 55.1861, 0.2935, 0.5767 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 55.1861, 0.2935, 0.5767 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

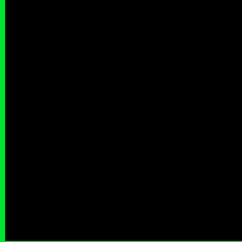
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

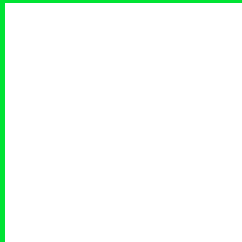
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 55.1861, 0.2935, 0.5767**

## **Background**



This preview shows how black text looks on a background with the Yxy color 55.1861, 0.2935, 0.5767.



This preview shows how white text looks on a background with the Yxy color 55.1861, 0.2935, 0.5767.

# 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

55.1861, 0.2935, 0.5767

### Protanopia

54.1175, 0.4316, 0.4778

### Deuteranopia

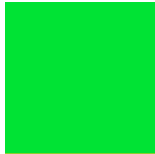
53.6004, 0.4508, 0.4404



## Tritanopia

55.1238, 0.2351, 0.3063

# Trichromacy



## Original Color

55.1861, 0.2935, 0.5767



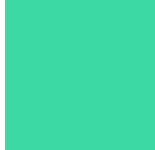
## Protanomaly

50.3199, 0.3545, 0.5329



## Deuteranomaly

48.5375, 0.3646, 0.5075



## Tritanomaly

53.3030, 0.2557, 0.4072

# Monochromacy



## Original Color

55.1861, 0.2935, 0.5767



## Achromatopsia

25.8183, 0.3127, 0.3290



## Achromatomaly

32.2621, 0.2929, 0.4449

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 55.1861, 0.2935, 0.5767 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, 227, 52)` looks like.

```
.text, #text, p{  
    color:rgb(0, 227, 52)  
}
```

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, 227, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 227, 52) }
```

## Border

The CSS property to change the border of an element to Yxy 55.1861, 0.2935, 0.5767 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, 227, 52) }
```

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

```
.border{ border-color:rgb(0, 227, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 227, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 227, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 227, 52);  
box-shadow:4px 4px 4px 4px rgb(0, 227, 52)  
}
```



# Background

The CSS property to change the background color of an element to Yxy 55.1861, 0.2935, 0.5767 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 227, 52) }
```

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

```
.background{ background-color: rgb(0, 227,  
52) }
```

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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