

Converting Colors

$Y_{xy}(55.2768, 0.2879, 0.5534)$

Have a look what the booklet for
Yxy(55.2768, 0.2879, 0.5534)
contains.

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Color

Yxy(55.5107, 0.2880, 0.5539)

Conversions

Conversions Part 1

Format	Color
Hex	0AE34B
RGB	10, 227, 75
RGB Percent	4%, 89%, 29%
CMY	0.9610, 0.1098, 0.7060
CMYK	0.96, 0.00, 0.67, 0.11
HSL	138°, 92%, 46%
HSV	138°, 96%, 89%
XYZ	28.8628, 55.5107, 15.8445
YIQ	144.7890, -80.5400, -93.2760

Conversions

Conversions Part 2

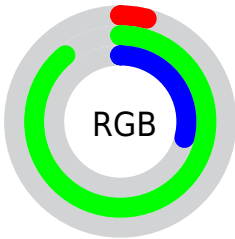
Format	Color
RYB	10, 177, 227
Decimal	713547
CIELab	79.33, -74.85, 59.17
CIELCh	79, 95.414, 141.671
Yxy	55.5107, 0.2880, 0.5539
Android (android.graphics.Color)	4278903627 (0xFF0AE34B)
YUV	144.7890, -34.4060, -118.2100
Hunter-Lab	74.5055, -61.2353, 39.5452

Details

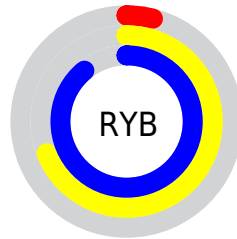
The Yxy color **55.5107, 0.2880, 0.5539** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **19.1549, 0.4105, 0.2053**, and the grayscale version is **28.3837, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.5112, 0.2965, 0.4895**, and **28.7604, 0.2994, 0.5979** is the 20% darker color. If you saturate the color by 10%, you get **55.3588, 0.2894, 0.5619**, and if you desaturate by 10%, it is **56.0117, 0.2852, 0.5330**.

Distribution



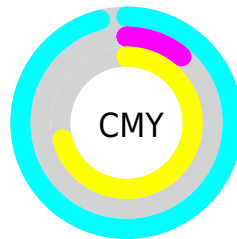
- Red (4%)
- Green (89%)
- Blue (29%)



- Red (4%)
- Yellow (69%)
- Blue (89%)



- Cyan (96%)
- Magenta (0%)
- Yellow (67%)
- Black (11%)





- Cyan (96%)
- Magenta (11%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.5107, 0.2880, 0.5539 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 55.5107, 0.2880, 0.5539 by changing the saturation by 10% instead.


 55.5107, 0.2880,
0.5539


 55.5107, 0.2880,
0.5539


407.8449, 0.3081,
0.4354

 39.8108, 0.2804,
0.5838


 98.2888, 0.2972,
0.5102

 27.3910, 0.2692,
0.6216

 126.1358, 0.3001,
0.4939


 17.8671, 0.2520,
0.6699


 158.8005, 0.3023,
0.4802

 10.8546, 0.2253,
0.7338

 196.6674, 0.3040,
0.4686

 5.9692, 0.1825,
0.8175

 240.1209, 0.3054,
0.4585

 2.8263, 0.0683,
0.9317


289.5454, 0.3065,


 1.0418, 0.0000,


0.4498

1.0000

345.3253, 0.3074,
0.4422


 0.0000, 0.0000,
0.0000

 55.5107, 0.2880,
0.5539


 55.5107, 0.2880,
0.5539


 55.3588, 0.2894,
0.5619

 56.0117, 0.2852,
0.5330

 56.8197, 0.2839,
0.5088

 57.9843, 0.2843,
0.4825

 59.5443, 0.2863,
0.4554

 61.5333, 0.2896,
0.4286

■ 63.9812, 0.2938,
0.4031

■ 66.9150, 0.2988,
0.3795

■ 70.3598, 0.3041,
0.3580

■ 74.3389, 0.3096,
0.3388

Harmonies

Analogous

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



55.5107, 0.3963, 0.5456



55.5107, 0.2880, 0.5539



55.5107, 0.1913, 0.4403

Triad

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



55.5107, 0.2880, 0.5539



55.5107, 0.1405, 0.1638



55.5107, 0.5278, 0.3090

Complementary

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



55.5107, 0.2880, 0.5539



19.1549, 0.4105, 0.2053

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.



55.5107, 0.4254, 0.2407



55.5107, 0.2880, 0.5539



55.5107, 0.1966, 0.1616

Square

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



55.5107, 0.2880, 0.5539



55.5107, 0.1204, 0.2019



55.5107, 0.2958, 0.1884



55.5107, 0.5475, 0.3848

Rectangle

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



55.5107, 0.2880, 0.5539



55.5107, 0.1482, 0.3381



55.5107, 0.2958, 0.1884



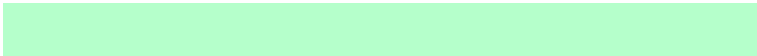
55.5107, 0.5013, 0.2852

Sweetspot

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



55.5130, 0.2880, 0.5539



85.6715, 0.2970, 0.3876



63.0163, 0.3709, 0.5417



17.9906, 0.2949, 0.3979



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.



55.5130, 0.2880, 0.5539



72.0474, 0.2897, 0.5629



58.2996, 0.2443, 0.3975



16.1599, 0.3075, 0.3459



32.3016, 0.2887, 0.5593



2.4029, 0.2805, 0.5300

Inverse Universe

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



19.1549, 0.4105, 0.2053



24.4984, 0.4167, 0.2069



16.8426, 0.5938, 0.3075



14.5378, 0.3184, 0.3127



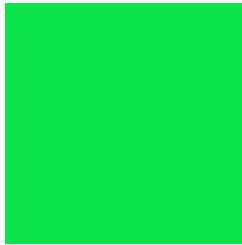
11.0054, 0.4142, 0.2055



0.8295, 0.3973, 0.1962

Previews

White Background



This preview shows how the Yxy color 55.5107, 0.2880, 0.5539 looks on a white background.

Color Contrast Check

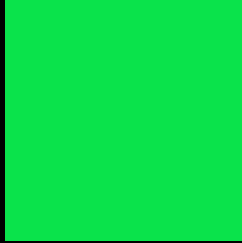
Large Text (above 18pt) WCAG AA × Fail

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 55.5107, 0.2880, 0.5539 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 55.5107, 0.2880, 0.5539

Background



This preview shows how black text looks on a background with the Yxy color 55.5107, 0.2880, 0.5539.



This preview shows how white text looks on a background with the Yxy color 55.5107, 0.2880, 0.5539.

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

55.5107, 0.2880, 0.5539

Protanopia

54.3290, 0.4231, 0.4652

Deuteranopia

54.1200, 0.4381, 0.4277



Tritanopia

55.0194, 0.2343, 0.3063

Trichromacy



Original Color

55.5107, 0.2880, 0.5539



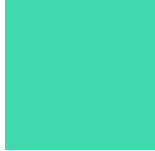
Protanomaly

50.8061, 0.3490, 0.5134



Deuteranomaly

49.1167, 0.3572, 0.4852



Tritanomaly

53.6670, 0.2523, 0.3943

Monochromacy



Original Color

55.5107, 0.2880, 0.5539



Achromatopsia

28.3149, 0.3127, 0.3290



Achromatomaly

34.5028, 0.2898, 0.4247

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.5107, 0.2880, 0.5539 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(10, 227, 75)` looks like.

```
.text, #text, p{  
    color:rgb(10, 227, 75)  
}
```

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(10, 227, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 227, 75) }
```

Border

The CSS property to change the border of an element to Yxy 55.5107, 0.2880, 0.5539 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(10, 227, 75) }
```

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

```
.border{ border-color:rgb(10, 227, 75) }
```

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

Here you see how a box with a 4 pixel rgb(10, 227, 75) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 227, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 227, 75);  
box-shadow:4px 4px 4px 4px rgb(10, 227,  
75) }
```


Background

The CSS property to change the background color of an element to Yxy 55.5107, 0.2880, 0.5539 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 227, 75) }
```

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

```
.background{ background-color: rgb(10, 227,  
75) }
```

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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