

Converting Colors

$Yxy(55.4667, 0.2853, 0.5471)$

Have a look what the booklet for
Yxy(55.4667, 0.2853, 0.5471)
contains.

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Color

Yxy(55.5323, 0.2854, 0.5473)

Conversions

Conversions Part 1

Format	Color
Hex	00E351
RGB	0, 227, 81
RGB Percent	0%, 89%, 32%
CMY	0.9981, 0.1098, 0.6824
CMYK	1.00, 0.00, 0.64, 0.11
HSL	141°, 100%, 45%
HSV	141°, 100%, 89%
XYZ	28.9584, 55.5323, 16.9752
YIQ	142.4830, -88.4260, -93.5300

Conversions

Conversions Part 2

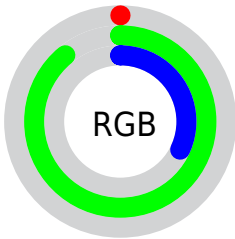
Format	Color
RYB	0, 167, 227
Decimal	58193
CIELab	79.35, -74.53, 56.75
CIELCh	79, 93.678, 142.714
Yxy	55.5323, 0.2854, 0.5473
Android (android.graphics.Color)	4278248273 (0xFF00E351)
YUV	142.4830, -30.3111, -124.9576
Hunter-Lab	74.5200, -61.0451, 38.6581

Details

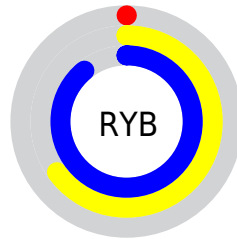
The Yxy color **55.5323, 0.2854, 0.5473** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **18.4312, 0.4376, 0.2185**, and the grayscale version is **27.4598, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.5488, 0.2931, 0.4824**, and **28.8000, 0.2974, 0.5907** is the 20% darker color. If you saturate the color by 10%, you get **55.5269, 0.2855, 0.5477**, and if you desaturate by 10%, it is **55.9594, 0.2821, 0.5275**.

Distribution



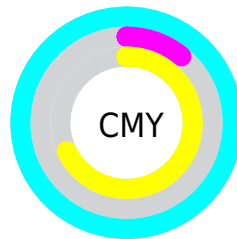
- Red (0%)
- Green (89%)
- Blue (32%)



- Red (0%)
- Yellow (65%)
- Blue (89%)



- Cyan (100%)
- Magenta (0%)
- Yellow (64%)
- Black (11%)





- Cyan (100%)
- Magenta (11%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.5323, 0.2854, 0.5473 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 55.5323, 0.2854, 0.5473 by changing the saturation by 10% instead.


 55.5323, 0.2854,
0.5473


 55.5323, 0.2854,
0.5473

407.9265, 0.3062,
0.4321

 39.8281, 0.2779,
0.5766


 98.3204, 0.2947,
0.5047


 27.4045, 0.2669,
0.6138


 126.1731, 0.2977,
0.4889


 17.8773, 0.2501,
0.6618


 158.8440, 0.3000,
0.4756

 10.8619, 0.2238,
0.7245

 196.7176, 0.3018,
0.4643

 5.9740, 0.1837,
0.8163

 240.1783, 0.3032,
0.4545

 2.8293, 0.0710,
0.9290

289.6104, 0.3044,

 1.0433, 0.0000,

0.4461

1.0000

345.3983, 0.3054,
0.4387

■ 0.0000, 0.0000,
0.0000

■ 55.5323, 0.2854,
0.5473

■ 55.5323, 0.2854,
0.5473

■ 55.5269, 0.2855,
0.5477

■ 55.9594, 0.2821,
0.5275

■ 56.6468, 0.2801,
0.5050

■ 57.6650, 0.2799,
0.4806

■ 59.0549, 0.2816,
0.4554

■ 60.8512, 0.2847,
0.4305

■ 63.0847, 0.2891,
0.4065

■ 65.7828, 0.2944,
0.3841

■ 68.9707, 0.3003,
0.3636

■ 72.6720, 0.3065,
0.3451

Harmonies

Analogous

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



55.5323, 0.3924, 0.5443



55.5323, 0.2854, 0.5473



55.5323, 0.1907, 0.4329

Triad

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



55.5323, 0.2854, 0.5473



55.5323, 0.1440, 0.1654



55.5323, 0.5263, 0.3124

Complementary

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



55.5323, 0.2854, 0.5473



18.4312, 0.4376, 0.2185

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.



55.5323, 0.4279, 0.2442



55.5323, 0.2854, 0.5473



55.5323, 0.2010, 0.1642

Square

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



55.5323, 0.2854, 0.5473



55.5323, 0.1229, 0.2020



55.5323, 0.3003, 0.1917



55.5323, 0.5433, 0.3878

Rectangle

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



55.5323, 0.2854, 0.5473



55.5323, 0.1490, 0.3334



55.5323, 0.3003, 0.1917



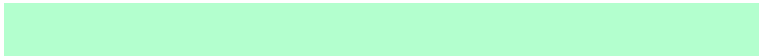
55.5323, 0.5011, 0.2887

Sweetspot

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



55.5346, 0.2854, 0.5473



85.4855, 0.2942, 0.3849



61.2079, 0.3584, 0.5535



17.9644, 0.2919, 0.3943



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.



55.5346, 0.2854, 0.5473



72.2692, 0.2858, 0.5488



58.7917, 0.2382, 0.3775



16.1734, 0.3067, 0.3445



32.4041, 0.2847, 0.5449



2.4117, 0.2765, 0.5152

Inverse Universe

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



18.4312, 0.4376, 0.2185



23.9533, 0.4389, 0.2191



16.4591, 0.6212, 0.3197



14.5237, 0.3192, 0.3140



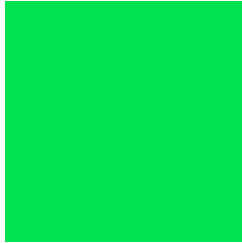
10.7632, 0.4357, 0.2174



0.8129, 0.4146, 0.2058

Previews

White Background



This preview shows how the Yxy color 55.5323, 0.2854, 0.5473 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 55.5323, 0.2854, 0.5473 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 55.5323, 0.2854, 0.5473

Background



This preview shows how black text looks on a background with the Yxy color 55.5323, 0.2854, 0.5473.



This preview shows how white text looks on a background with the Yxy color 55.5323, 0.2854, 0.5473.

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

55.5323, 0.2854, 0.5473

Protanopia

54.2498, 0.4194, 0.4615

Deuteranopia

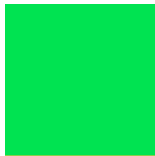
54.0313, 0.4340, 0.4240



Tritanopia

55.0243, 0.2336, 0.3050

Trichromacy



Original Color

55.5323, 0.2854, 0.5473



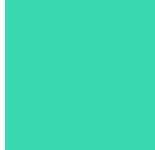
Protanomaly

50.5369, 0.3433, 0.5094



Deuteranomaly

48.8021, 0.3511, 0.4813



Tritanomaly

53.6598, 0.2498, 0.3898

Monochromacy



Original Color

55.5323, 0.2854, 0.5473



Achromatopsia

27.4677, 0.3127, 0.3290



Achromatomaly

33.8523, 0.2862, 0.4243

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.5323, 0.2854, 0.5473 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, 81)` looks like.

```
.text, #text, p{  
    color:rgb(0, 227, 81)  
}
```

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, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 227, 81) }
```

Border

The CSS property to change the border of an element to Yxy 55.5323, 0.2854, 0.5473 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, 81) }
```

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

```
.border{ border-color:rgb(0, 227, 81) }
```

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, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 227, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 227, 81);  
box-shadow:4px 4px 4px 4px rgb(0, 227, 81)  
}
```


Background

The CSS property to change the background color of an element to Yxy 55.5323, 0.2854, 0.5473 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, 81) }
```

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

```
.background{ background-color: rgb(0, 227,  
81) }
```

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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