

Converting Colors

$Y_{xy}(55.8170, 0.2788, 0.5235)$

Have a look what the booklet for
Yxy(55.8170, 0.2788, 0.5235)
contains.

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Color

Yxy(55.8455, 0.2789, 0.5239)

Conversions

Conversions Part 1

Format	Color
Hex	00E363
RGB	0, 227, 99
RGB Percent	0%, 89%, 39%
CMY	0.9981, 0.1098, 0.6117
CMYK	1.00, 0.00, 0.56, 0.11
HSL	146°, 100%, 45%
HSV	146°, 100%, 89%
XYZ	29.7295, 55.8455, 21.0207
YIQ	144.5350, -94.2040, -87.9320

Conversions

Conversions Part 2

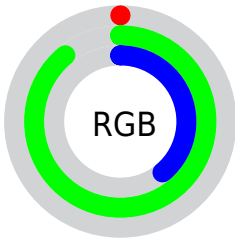
Format	Color
RYB	0, 158, 227
Decimal	58211
CIELab	79.53, -72.34, 49.11
CIELCh	80, 87.436, 145.830
Yxy	55.8455, 0.2789, 0.5239
Android (android.graphics.Color)	4278248291 (0xFF00E363)
YUV	144.5350, -22.4488, -126.7572
Hunter-Lab	74.7298, -59.7651, 35.6333

Details

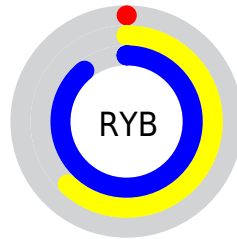
The Yxy color **55.8455, 0.2789, 0.5239** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed spring green. A complement of this color would be **17.9144, 0.4705, 0.2367**, and the grayscale version is **28.3044, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.0711, 0.2857, 0.4605**, and **28.9467, 0.2904, 0.5653** is the 20% darker color. If you saturate the color by 10%, you get **55.8393, 0.2790, 0.5243**, and if you desaturate by 10%, it is **56.2943, 0.2756, 0.5046**.

Distribution



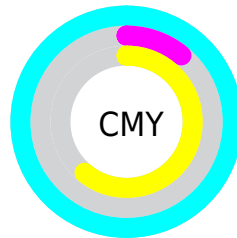
- Red (0%)
- Green (89%)
- Blue (39%)



- Red (0%)
- Yellow (62%)
- Blue (89%)



- Cyan (100%)
- Magenta (0%)
- Yellow (56%)
- Black (11%)




- Cyan (100%)
- Magenta (11%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.8455, 0.2789, 0.5239 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 55.8455, 0.2789, 0.5239 by changing the saturation by 10% instead.


 55.8455, 0.2789,
0.5239


 55.8455, 0.2789,
0.5239


409.1090, 0.3010,
0.4210


 40.0791, 0.2717,
0.5505


 98.7786, 0.2882,
0.4856

 27.6002, 0.2615,
0.5847


 126.7141, 0.2913,
0.4715


 18.0245, 0.2464,
0.6297


 159.4748, 0.2938,
0.4596

 10.9676, 0.2229,
0.6903

 197.4450, 0.2958,
0.4495

 6.0450, 0.1898,
0.7937

 241.0091, 0.2975,
0.4409

 2.8725, 0.0913,
0.9087

290.5515, 0.2989,

 1.0655, 0.0000,

0.4334

1.0000

346.4567, 0.3000,
0.4268

■ 0.0000, 0.0000,
0.0000

■ 55.8455, 0.2789,
0.5239

■ 55.8455, 0.2789,
0.5239

■ 55.8393, 0.2790,
0.5243

■ 56.2943, 0.2756,
0.5046

■ 56.9941, 0.2738,
0.4836

■ 58.0144, 0.2741,
0.4615

■ 59.3952, 0.2762,
0.4392

■ 61.1705, 0.2800,
0.4173

■ 63.3701, 0.2851,
0.3965

■ 66.0210, 0.2913,
0.3770

■ 69.1477, 0.2982,
0.3592

■ 72.7729, 0.3054,
0.3431

Harmonies

Analogous

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



55.8455, 0.3808, 0.5361



55.8455, 0.2789, 0.5239



55.8455, 0.1913, 0.4110

Triad

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



55.8455, 0.2789, 0.5239



55.8455, 0.1563, 0.1723



55.8455, 0.5180, 0.3225

Complementary

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



55.8455, 0.2789, 0.5239



17.9144, 0.4705, 0.2367

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.



55.8455, 0.4324, 0.2557



55.8455, 0.2789, 0.5239



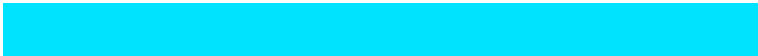
55.8455, 0.2154, 0.1738

Square

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



55.8455, 0.2789, 0.5239



55.8455, 0.1326, 0.2043



55.8455, 0.3135, 0.2030



55.8455, 0.5279, 0.3961

Rectangle

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



55.8455, 0.2789, 0.5239



55.8455, 0.1538, 0.3213



55.8455, 0.3135, 0.2030



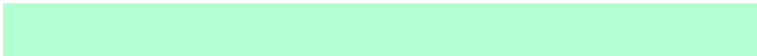
55.8455, 0.4969, 0.2993

Sweetspot

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



55.8478, 0.2789, 0.5239



85.7863, 0.2910, 0.3778



59.6000, 0.3454, 0.5639



18.0349, 0.2883, 0.3859



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.



55.8478, 0.2789, 0.5239



72.6658, 0.2793, 0.5254



59.6954, 0.2305, 0.3497



16.1928, 0.3057, 0.3426



32.5851, 0.2782, 0.5215



2.4263, 0.2702, 0.4928

Inverse Universe

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



17.9144, 0.4705, 0.2367



23.2762, 0.4721, 0.2374



16.3793, 0.6341, 0.3268



14.5037, 0.3204, 0.3158



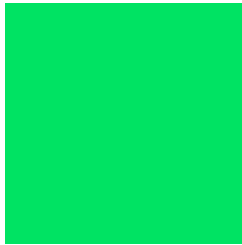
10.4611, 0.4681, 0.2352



0.7916, 0.4407, 0.2201

Previews

White Background



This preview shows how the Yxy color 55.8455, 0.2789, 0.5239 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 55.8455, 0.2789, 0.5239 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 55.8455, 0.2789, 0.5239

Background



This preview shows how black text looks on a background with the Yxy color 55.8455, 0.2789, 0.5239.



This preview shows how white text looks on a background with the Yxy color 55.8455, 0.2789, 0.5239.

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

55.8390, 0.2789, 0.5239

Protanopia

54.9528, 0.4094, 0.4485

Deuteranopia

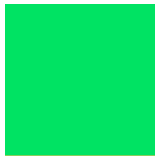
54.4207, 0.4203, 0.4111



Tritanopia

55.4819, 0.2328, 0.3050

Trichromacy



Original Color

55.8390, 0.2789, 0.5239



Protanomaly

50.8192, 0.3346, 0.4890



Deuteranomaly

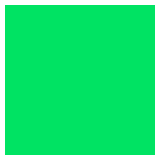
49.4893, 0.3399, 0.4617



Tritanomaly

54.4316, 0.2466, 0.3802

Monochromacy



Original Color

55.8390, 0.2789, 0.5239



Achromatopsia

28.3149, 0.3127, 0.3290



Achromatomaly

34.4938, 0.2815, 0.4108

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.8455, 0.2789, 0.5239 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, 99)` looks like.

```
.text, #text, p{  
    color:rgb(0, 227, 99)  
}
```

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, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 227, 99) }
```

Border

The CSS property to change the border of an element to Yxy 55.8455, 0.2789, 0.5239 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, 99) }
```

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

```
.border{ border-color:rgb(0, 227, 99) }
```

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, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 227, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 227, 99);  
box-shadow:4px 4px 4px 4px rgb(0, 227, 99)  
}
```


Background

The CSS property to change the background color of an element to Yxy 55.8455, 0.2789, 0.5239 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, 99) }
```

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

```
.background{ background-color: rgb(0, 227,  
99) }
```

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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