

Converting Colors

$Y_{xy}(55.8258, 0.2939, 0.5746)$

Have a look what the booklet for
Yxy(55.8258, 0.2939, 0.5746)
contains.

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Color

Yxy(55.8243, 0.2939, 0.5747)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 0BE436 |
| RGB | 11, 228, 54 |
| RGB Percent | 4%, 89%, 21% |
| CMY | 0.9566, 0.1059, 0.7881 |
| CMYK | 0.95, 0.00, 0.76, 0.11 |
| HSL | 132°, 91%, 47% |
| HSV | 132°, 95%, 89% |
| XYZ | 28.5484, 55.8243, 12.7637 |
| YIQ | 143.2810, -73.4780, -100.1180 |

Conversions

Conversions Part 2

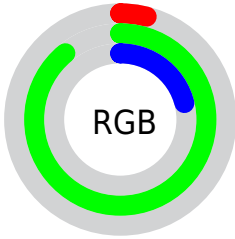
| Format | Color |
|-------------------------------------|----------------------------------|
| RYB | 11, 192, 228 |
| Decimal | 779318 |
| CIELab | 79.51, -76.85, 66.80 |
| CIELCh | 80, 101.819, 139.002 |
| Yxy | 55.8243, 0.2939, 0.5747 |
| Android (android.graphics.Color) | 4278969398 (0xFF0BE436) |
| YUV | 143.2810, -44.0155, -116.0104 |
| Hunter-Lab | 74.7157, -62.5487, 42.1724 |

Details

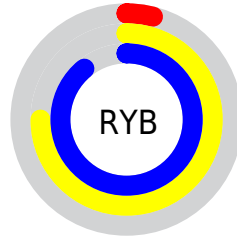
The Yxy color **55.8243, 0.2939, 0.5747** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **20.2397, 0.3757, 0.1860**, and the grayscale version is **27.7986, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.2230, 0.3043, 0.5091**, and **29.1258, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **55.6790, 0.2950, 0.5821**, and if you desaturate by 10%, it is **56.2982, 0.2918, 0.5554**.

Distribution



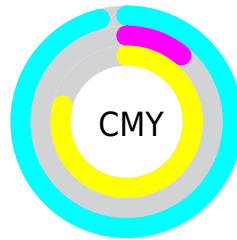
- Red (4%)
- Green (89%)
- Blue (21%)



- Red (4%)
- Yellow (75%)
- Blue (89%)



- Cyan (95%)
- Magenta (0%)
- Yellow (76%)
- Black (11%)





- Cyan (96%)
- Magenta (11%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.8243, 0.2939, 0.5747 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 55.8243, 0.2939, 0.5747 by changing the saturation by 10% instead.


 55.8243, 0.2939,
0.5747

 55.8243, 0.2939,
0.5747


409.0290, 0.3132,
0.4462


 40.0621, 0.2857,
0.6063


 98.7476, 0.3034,
0.5279

 27.5869, 0.2735,
0.6454


 126.6775, 0.3062,
0.5102

 18.0145, 0.2544,
0.6941


 159.4321, 0.3083,
0.4953

 10.9604, 0.2277,
0.7658

 197.3958, 0.3099,
0.4826

 6.0402, 0.1762,
0.8238

 240.9529, 0.3111,
0.4716

 2.8696, 0.0582,
0.9418

290.4879, 0.3120,


 1.0640, 0.0000,


0.4620

1.0000

346.3851, 0.3127,
0.4536

 0.0000, 0.0000,
0.0000

 55.8243, 0.2939,
0.5747

 55.8243, 0.2939,
0.5747


 55.6790, 0.2950,
0.5821

 56.2982, 0.2918,
0.5554

 57.0970, 0.2908,
0.5308

 58.2724, 0.2912,
0.5026

 59.8656, 0.2928,
0.4725

 61.9119, 0.2954,
0.4422

■ 64.4430, 0.2987,
0.4130

■ 67.4876, 0.3025,
0.3858

■ 71.0722, 0.3066,
0.3612

■ 75.2215, 0.3106,
0.3393

Harmonies

Analogous

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



55.8243, 0.4067, 0.5504



55.8243, 0.2939, 0.5747



55.8243, 0.1911, 0.4630

Triad

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



55.8243, 0.2939, 0.5747



55.8243, 0.1297, 0.1577



55.8243, 0.5345, 0.2994

Complementary

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



55.8243, 0.2939, 0.5747



20.2397, 0.3757, 0.1860

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.



55.8243, 0.4198, 0.2301



55.8243, 0.2939, 0.5747



55.8243, 0.1836, 0.1531

Square

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



55.8243, 0.2939, 0.5747



55.8243, 0.1119, 0.2002



55.8243, 0.2830, 0.1782



55.8243, 0.5615, 0.3763

Rectangle

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



55.8243, 0.2939, 0.5747



55.8243, 0.1441, 0.3513



55.8243, 0.2830, 0.1782



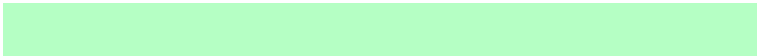
55.8243, 0.5039, 0.2752

Sweetspot

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



55.8266, 0.2939, 0.5747



85.3215, 0.3009, 0.3965



66.2334, 0.3876, 0.5283



17.9092, 0.2993, 0.4083



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.



55.8266, 0.2939, 0.5747



71.7547, 0.2952, 0.5828



58.0738, 0.2539, 0.4315



16.1356, 0.3089, 0.3484



32.1636, 0.2944, 0.5800



2.3898, 0.2872, 0.5538

Inverse Universe

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



20.2397, 0.3757, 0.1860



25.6434, 0.3797, 0.1865



17.3110, 0.5594, 0.2886



14.5637, 0.3168, 0.3104



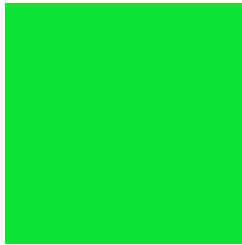
11.5119, 0.3782, 0.1857



0.8632, 0.3683, 0.1802

Previews

White Background



This preview shows how the Yxy color 55.8243, 0.2939, 0.5747 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 55.8243, 0.2939, 0.5747 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 55.8243, 0.2939, 0.5747

Background



This preview shows how black text looks on a background with the Yxy color 55.8243, 0.2939, 0.5747.

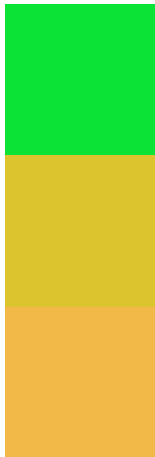


This preview shows how white text looks on a background with the Yxy color 55.8243, 0.2939, 0.5747.

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

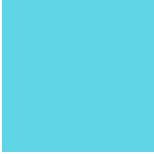
55.8243, 0.2939, 0.5747

Protanopia

54.7372, 0.4310, 0.4771

Deuteranopia

54.2205, 0.4497, 0.4395



Tritanopia

55.7346, 0.2353, 0.3064

Trichromacy



Original Color

55.8243, 0.2939, 0.5747



Protanomaly

51.1731, 0.3566, 0.5299



Deuteranomaly

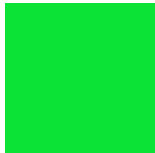
49.5259, 0.3676, 0.5037



Tritanomaly

53.9860, 0.2566, 0.4067

Monochromacy



Original Color

55.8243, 0.2939, 0.5747



Achromatopsia

27.4677, 0.3127, 0.3290



Achromatomaly

33.8527, 0.2953, 0.4399

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.8243, 0.2939, 0.5747 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(11, 228, 54)` looks like.

```
.text, #text, p{  
    color:rgb(11, 228, 54)  
}
```

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(11, 228, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(11, 228, 54) }
```

Border

The CSS property to change the border of an element to Yxy 55.8243, 0.2939, 0.5747 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(11, 228, 54) }
```

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

```
.border{ border-color:rgb(11, 228, 54) }
```

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

Here you see how a box with a 4 pixel rgb(11, 228, 54) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(11, 228, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(11, 228, 54);  
box-shadow:4px 4px 4px 4px rgb(11, 228,  
54) }
```


Background

The CSS property to change the background color of an element to Yxy 55.8243, 0.2939, 0.5747 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(11, 228, 54) }
```

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

```
.background{ background-color: rgb(11, 228,  
54) }
```

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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