

Converting Colors

Yxy(56.1410, 0.3117, 0.5320)

Have a look what the booklet for
Yxy(56.1410, 0.3117, 0.5320)
contains.

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Color

Yxy(55.8813, 0.3115, 0.5319)

Conversions

Conversions Part 1

Format	Color
Hex	61DF4F
RGB	97, 223, 79
RGB Percent	38%, 87%, 31%
CMY	0.6197, 0.1255, 0.6903
CMYK	0.57, 0.00, 0.65, 0.13
HSL	112°, 69%, 59%
HSV	112°, 65%, 87%
XYZ	32.7261, 55.8813, 16.4524
YIQ	168.9100, -28.8720, -71.4960

Conversions

Conversions Part 2

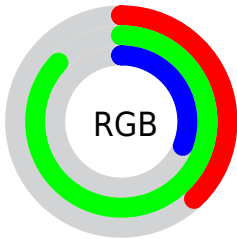
Format	Color
RYB	79, 223, 205
Decimal	6414159
CIELab	79.55, -61.39, 58.21
CIElCh	80, 84.600, 136.523
Yxy	55.8813, 0.3115, 0.5319
Android (android.graphics.Color)	4284604239 (0xFF61DF4F)
YUV	168.9100, -44.3256, -63.0651
Hunter-Lab	74.7538, -52.6744, 39.2787

Details

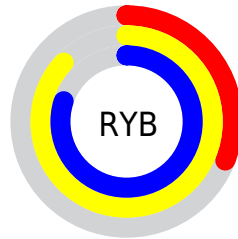
The Yxy color **55.8813, 0.3115, 0.5319** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted chartreuse. A complement of this color would be **23.8954, 0.3004, 0.1739**, and the grayscale version is **39.8605, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.5103, 0.3188, 0.4738**, and **27.7764, 0.3002, 0.5911** is the 20% darker color. If you saturate the color by 10%, you get **54.6687, 0.3094, 0.5597**, and if you desaturate by 10%, it is **57.4711, 0.3130, 0.4995**.

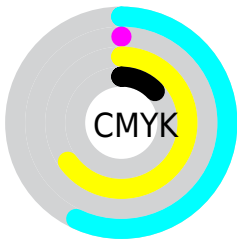
Distribution



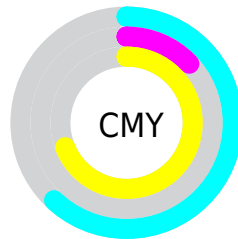
- Red (38%)
- Green (87%)
- Blue (31%)



- Red (31%)
- Yellow (87%)
- Blue (80%)



- Cyan (57%)
- Magenta (0%)
- Yellow (65%)
- Black (13%)





- Cyan (62%)
- Magenta (13%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.8813, 0.3115, 0.5319 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 55.8813, 0.3115, 0.5319 by changing the saturation by 10% instead.


 55.8813, 0.3115,
0.5319


 55.8813, 0.3115,
0.5319


409.2440, 0.3191,
0.4266


 40.1078, 0.3072,
0.5581


 98.8310, 0.3161,
0.4934

 27.6226, 0.3001,
0.5910


 126.7760, 0.3172,
0.4790


 18.0413, 0.2885,
0.6329


 159.5468, 0.3180,
0.4668

 10.9797, 0.2687,
0.6876

 197.5281, 0.3185,
0.4564

 6.0532, 0.2358,
0.7642

 241.1040, 0.3188,
0.4474

 2.8774, 0.1624,
0.8376

290.6590, 0.3190,

 1.0681, 0.0000,

0.4396

1.0000

346.5776, 0.3191,
0.4327

■ 0.0000, 0.0000,
0.0000

■ 55.8813, 0.3115,
0.5319

■ 55.8813, 0.3115,
0.5319

■ 54.6687, 0.3094,
0.5597

■ 57.4711, 0.3130,
0.4995

■ 53.7951, 0.3068,
0.5806

■ 59.4584, 0.3140,
0.4649

■ 53.2265, 0.3041,
0.5935


■ 61.8706, 0.3143,
0.4304

■ 53.0245, 0.3028,
0.5977


■ 64.7305, 0.3142,
0.3976

■ 68.0592, 0.3138,
0.3674

 71.8766, 0.3131,
0.3403

 76.2015, 0.3122,
0.3165

 80.8973, 0.3129,
0.2978

 81.2593, 0.3142,
0.2980

Harmonies

Analogous

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



55.8813, 0.4099, 0.5166



55.8813, 0.3115, 0.5319



55.8813, 0.2184, 0.4485

Triad

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



55.8813, 0.3115, 0.5319



55.8813, 0.1494, 0.1821



55.8813, 0.4927, 0.3023

Complementary

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



55.8813, 0.3115, 0.5319



23.8954, 0.3004, 0.1739

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.



55.8813, 0.3936, 0.2398



55.8813, 0.3115, 0.5319



55.8813, 0.1961, 0.1740

Square

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



55.8813, 0.3115, 0.5319



55.8813, 0.1362, 0.2264



55.8813, 0.2805, 0.1945



55.8813, 0.5269, 0.3729

Rectangle

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



55.8813, 0.3115, 0.5319



55.8813, 0.1730, 0.3610



55.8813, 0.2805, 0.1945



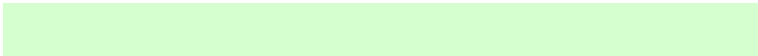
55.8813, 0.4650, 0.2802

Sweetspot

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



55.8837, 0.3115, 0.5319



90.0904, 0.3140, 0.3808



59.3453, 0.4146, 0.4609



19.0089, 0.3141, 0.3895



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.



55.8837, 0.3115, 0.5319



73.5543, 0.3084, 0.5690



56.1005, 0.2798, 0.4649



15.4189, 0.3134, 0.3531



31.2016, 0.3034, 0.5973



2.1900, 0.3109, 0.5914

Inverse Universe

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



23.8954, 0.3004, 0.1739



26.9033, 0.2961, 0.1528



24.1868, 0.3845, 0.2296



13.8442, 0.3118, 0.3058



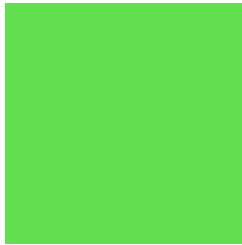
9.9981, 0.2897, 0.1369



0.7177, 0.2948, 0.1398

Previews

White Background



This preview shows how the Yxy color 55.8813, 0.3115, 0.5319 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 55.8813, 0.3115, 0.5319 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

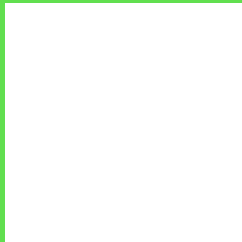
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 55.8813, 0.3115, 0.5319

Background



This preview shows how black text looks on a background with the Yxy color 55.8813, 0.3115, 0.5319.



This preview shows how white text looks on a background with the Yxy color 55.8813, 0.3115, 0.5319.

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

55.8813, 0.3115, 0.5319

Protanopia

54.8402, 0.4200, 0.4626

Deuteranopia

54.7504, 0.4369, 0.4267



Tritanopia

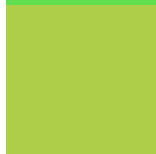
55.6811, 0.2504, 0.3069

Trichromacy



Original Color

55.8813, 0.3115, 0.5319



Protanomaly

53.6357, 0.3737, 0.4917



Deuteranomaly

52.3538, 0.3839, 0.4661



Tritanomaly

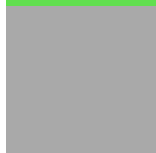
54.8922, 0.2743, 0.3868

Monochromacy



Original Color

55.8813, 0.3115, 0.5319



Achromatopsia

39.6755, 0.3127, 0.3290



Achromatomaly

44.0124, 0.3146, 0.4076

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.8813, 0.3115, 0.5319 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(97, 223, 79)` looks like.

```
.text, #text, p{  
    color:rgb(97, 223, 79)  
}
```

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(97, 223, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 223, 79) }
```

Border

The CSS property to change the border of an element to Yxy 55.8813, 0.3115, 0.5319 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(97, 223, 79) }
```

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

```
.border{ border-color:rgb(97, 223, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 223, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 223, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 223, 79);  
box-shadow:4px 4px 4px 4px rgb(97, 223,  
79) }
```


Background

The CSS property to change the background color of an element to Yxy 55.8813, 0.3115, 0.5319 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 223, 79) }
```

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

```
.background{ background-color: rgb(97, 223,  
79) }
```

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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