

Converting Colors

$Yxy(45.3871, 0.2678, 0.3978)$

Have a look what the booklet for
Yxy(45.3871, 0.2678, 0.3978)
contains.

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Color

$\text{Yxy}(45.3871, 0.2678, 0.3978)$

Conversions

Conversions Part 1

Format	Color
Hex	5AC79B
RGB	90, 199, 155
RGB Percent	35%, 78%, 61%
CMY	0.6471, 0.2196, 0.3922
CMYK	0.55, 0.00, 0.22, 0.22
HSL	156°, 49%, 57%
HSV	156°, 55%, 78%
XYZ	30.5547, 45.3871, 38.1535
YIQ	161.3930, -50.8400, -36.7920

Conversions

Conversions Part 2

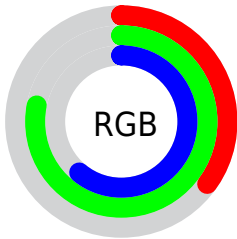
Format	Color
RYB	90, 158, 199
Decimal	5949339
CIELab	73.15, -41.73, 12.70
CIELCh	73, 43.622, 163.075
Yxy	45.3871, 0.2678, 0.3978
Android (android.graphics.Color)	4284139419 (0xFF5AC79B)
YUV	161.3930, -3.1517, -62.6117
Hunter-Lab	67.3699, -36.9412, 13.5814

Details

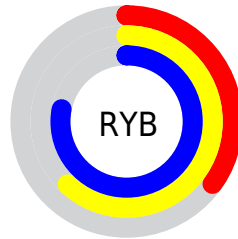
The Yxy color **45.3871, 0.2678, 0.3978** is a dark color, and the websafe version is hex **66CC99**. The color can be described as middle muted spring green. A complement of this color would be **21.1762, 0.4057, 0.2726**, and the grayscale version is **35.8655, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.4193, 0.2767, 0.3834**, and **21.1054, 0.2537, 0.4189** is the 20% darker color. If you saturate the color by 10%, you get **44.2600, 0.2634, 0.4132**, and if you desaturate by 10%, it is **46.8029, 0.2738, 0.3830**.

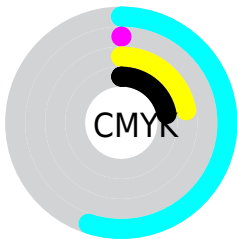
Distribution



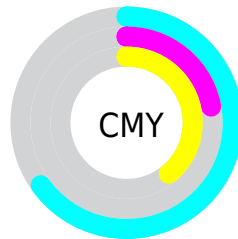
- Red (35%)
- Green (78%)
- Blue (61%)



- Red (35%)
- Yellow (62%)
- Blue (78%)



- Cyan (55%)
- Magenta (0%)
- Yellow (22%)
- Black (22%)



- Cyan (65%)
- Magenta (22%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.3871, 0.2678, 0.3978 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 45.3871, 0.2678, 0.3978 by changing the saturation by 10% instead.


 45.3871, 0.2678,
0.3978


 45.3871, 0.2678,
0.3978


368.3391, 0.2910,
0.3617

 31.7624, 0.2618,
0.4074


 83.3010, 0.2764,
0.3843

 21.1801, 0.2539,
0.4200


 108.3590, 0.2796,
0.3793

 13.2557, 0.2431,
0.4373


 137.9969, 0.2823,
0.3752

 7.6049, 0.2277,
0.4627

 172.5992, 0.2845,
0.3717

 3.8432, 0.2039,
0.5030

212.5501, 0.2865,
0.3687

 1.5862, 0.1377,
0.5991

258.2341, 0.2882,

 0.3483, 0.0000,

0.3660

1.0000

310.0357, 0.2897,
0.3638

0.0000, 0.0000,
0.0000

45.3871, 0.2678,
0.3978

45.3871, 0.2678,
0.3978

44.2600, 0.2634,
0.4132

46.8029, 0.2738,
0.3830

43.3940, 0.2610,
0.4289

48.5217, 0.2811,
0.3691

42.7652, 0.2605,
0.4446

50.5633, 0.2895,
0.3562

42.3425, 0.2620,
0.4600

52.9442, 0.2986,
0.3444

42.1727, 0.2633,
0.4679

55.6798, 0.3081,
0.3337

■ 58.7845, 0.3178,
0.3241

■ 62.2719, 0.3275,
0.3156

■ 66.1550, 0.3371,
0.3081

■ 67.6726, 0.3355,
0.3005

Harmonies

Analogous

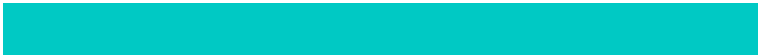
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



45.3871, 0.3260, 0.4370



45.3871, 0.2678, 0.3978



45.3871, 0.2243, 0.3355

Triad

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



45.3871, 0.2678, 0.3978



45.3871, 0.2391, 0.2331



45.3871, 0.4346, 0.3600

Complementary

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



45.3871, 0.2678, 0.3978



21.1762, 0.4057, 0.2726

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.



45.3871, 0.4076, 0.3131



45.3871, 0.2678, 0.3978



45.3871, 0.2897, 0.2436

Square

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



45.3871, 0.2678, 0.3978



45.3871, 0.2097, 0.2440



45.3871, 0.3522, 0.2720



45.3871, 0.4244, 0.4051

Rectangle

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



45.3871, 0.2678, 0.3978



45.3871, 0.2083, 0.2957



45.3871, 0.3522, 0.2720



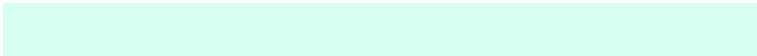
45.3871, 0.4296, 0.3442

Sweetspot

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



45.3889, 0.2678, 0.3978



92.0502, 0.2972, 0.3460



46.7730, 0.3364, 0.4867



19.5094, 0.2953, 0.3485



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.



45.3889, 0.2678, 0.3978



77.1213, 0.2627, 0.4166



43.0901, 0.2410, 0.3154



11.9922, 0.3037, 0.3385



27.1341, 0.2627, 0.4658



1.2989, 0.2539, 0.4340

Inverse Universe

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



21.1762, 0.4057, 0.2726



30.3831, 0.4394, 0.2643



21.8199, 0.4667, 0.3409



10.7067, 0.3227, 0.3197



8.1999, 0.5340, 0.2715



0.4025, 0.4792, 0.2414

Previews

White Background



This preview shows how the Yxy color 45.3871, 0.2678, 0.3978 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 45.3871, 0.2678, 0.3978 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

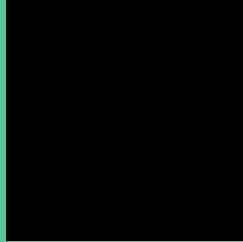
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.3871, 0.2678, 0.3978

Background



This preview shows how black text looks on a background with the Yxy color 45.3871, 0.2678, 0.3978.



This preview shows how white text looks on a background with the Yxy color 45.3871, 0.2678, 0.3978.

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

45.3871, 0.2678, 0.3978

Protanopia

44.7039, 0.3504, 0.3728

Deuteranopia

44.6348, 0.3500, 0.3431



Tritanopia

45.2684, 0.2450, 0.3075

Trichromacy



Original Color

45.3871, 0.2678, 0.3978



Protanomaly

44.0600, 0.3135, 0.3824



Deuteranomaly

43.5362, 0.3129, 0.3615



Tritanomaly

45.3704, 0.2530, 0.3392

Monochromacy



Original Color

45.3871, 0.2678, 0.3978



Achromatopsia

35.6400, 0.3127, 0.3290



Achromatomaly

38.3140, 0.2913, 0.3534

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.3871, 0.2678, 0.3978 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(90, 199, 155)` looks like.

```
.text, #text, p{  
    color:rgb(90, 199, 155)  
}
```

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(90, 199, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 199, 155) }
```

Border

The CSS property to change the border of an element to Yxy 45.3871, 0.2678, 0.3978 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(90, 199, 155) }
```

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

```
.border{ border-color:rgb(90, 199, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 199, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 199, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 199, 155);  
box-shadow:4px 4px 4px 4px rgb(90, 199,  
155) }
```


Background

The CSS property to change the background color of an element to Yxy 45.3871, 0.2678, 0.3978 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 199, 155) }
```

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

```
.background{ background-color: rgb(90, 199,  
155) }
```

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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