

Converting Colors

$Y_{xy}(39.4678, 0.2959, 0.4058)$

Have a look what the booklet for
Yxy(39.4678, 0.2959, 0.4058)
contains.

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Color

Yxy(39.4678, 0.2959, 0.4058)

Conversions

| Conversions Part 1 | |
|--------------------|------------------------------|
| Format | Color |
| Hex | 76B787 |
| RGB | 118, 183, 135 |
| RGB Percent | 46%, 72%, 53% |
| CMY | 0.5371, 0.2823, 0.4707 |
| CMYK | 0.36, 0.00, 0.26, 0.28 |
| HSL | 136°, 31%, 59% |
| HSV | 136°, 36%, 72% |
| XYZ | 28.7790, 39.4678, 29.0124 |
| YIQ | 158.0930, -23.3320, -28.7080 |

Conversions

Conversions Part 2

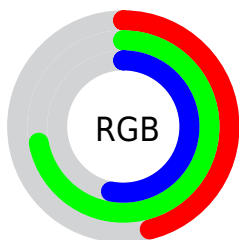
| Format | Color |
|-------------------------------------|--|
| RYB | 118, 170, 183 |
| Decimal | 7780231 |
| CIELab | 69.09, -31.01, 18.01 |
| CIELCh | 69, 35.861, 149.859 |
| Yxy | 39.4678, 0.2959, 0.4058 |
| Android (android.graphics.Color) | 4285970311 (0xFF76B787) |
| YUV | 158.0930, -11.3848, -35.1616 |
| Hunter-Lab | 62.8234, -28.1712, 16.5957 |

Details

The Yxy color **39.4678, 0.2959, 0.4058** is a dark color, and the websafe version is hex **99CC99**. A complement of this color would be **25.7862, 0.3356, 0.2630**, and the grayscale version is **34.2994, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.1345, 0.2998, 0.3902**, and **17.7794, 0.2891, 0.4331** is the 20% darker color. If you saturate the color by 10%, you get **37.9527, 0.2920, 0.4323**, and if you desaturate by 10%, it is **41.2832, 0.3004, 0.3812**.

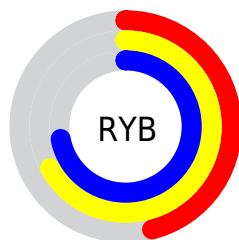
Distribution



Red (46%)

Green (72%)

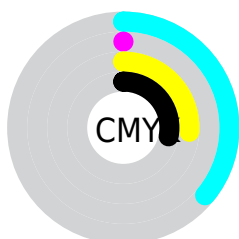
Blue (53%)



Red (46%)

Yellow (67%)

Blue (72%)

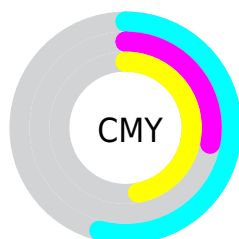


Cyan (36%)

Magenta (0%)

Yellow (26%)

Black (28%)



Cyan (54%)


Magenta (28%)


Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.4678, 0.2959, 0.4058 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 39.4678, 0.2959, 0.4058 by changing the saturation by 10% instead.

 39.4678, 0.2959,
0.4058

 39.4678, 0.2959,
0.4058


343.8753, 0.3055,
0.3645

 27.1238, 0.2931,
0.4171


 74.3524, 0.2997,
0.3901

 17.6663, 0.2891,
0.4323


 97.6619, 0.3010,
0.3844

 10.7106, 0.2834,
0.4537


 125.3953, 0.3021,
0.3797

 5.8726, 0.2741,
0.4859

157.9370, 0.3030,
0.3757

 2.7678, 0.2574,
0.5392

195.6715, 0.3038,
0.3723

 1.0117, 0.1646,
0.8354


238.9831, 0.3044,


 0.0000, 0.0000,

0.3693

0.0000


288.2562, 0.3050,
0.3668


 39.4678, 0.2959,
0.4058


 39.4678, 0.2959,
0.4058

 37.9527, 0.2920,
0.4323


 41.2832, 0.3004,
0.3812

 36.7167, 0.2890,
0.4600


 43.4089, 0.3051,
0.3589


 35.7436, 0.2871,
0.4880


 45.8605, 0.3100,
0.3390


 35.0134, 0.2866,
0.5150


 48.6512, 0.3149,
0.3214


 34.5033, 0.2877,
0.5395


 51.7932, 0.3196,
0.3059

 34.1850, 0.2901,
0.5603

 55.2984, 0.3241,
0.2924

 34.0785, 0.2912,
0.5683

 59.1779, 0.3284,
0.2807

 61.6101, 0.3249,
0.2691

 62.3474, 0.3160,
0.2585

Harmonies

Analogous

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



39.4678, 0.3481, 0.4253



39.4678, 0.2959, 0.4058



39.4678, 0.2507, 0.3591

Triad

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



39.4678, 0.2959, 0.4058



39.4678, 0.2346, 0.2470



39.4678, 0.4112, 0.3389

Complementary

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



39.4678, 0.2959, 0.4058



25.7862, 0.3356, 0.2630

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.



39.4678, 0.3755, 0.2987



39.4678, 0.2959, 0.4058



39.4678, 0.2717, 0.2479

Square

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



39.4678, 0.2959, 0.4058



39.4678, 0.2178, 0.2665



39.4678, 0.3230, 0.2664



39.4678, 0.4171, 0.3800

Rectangle

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



39.4678, 0.2959, 0.4058



39.4678, 0.2299, 0.3231



39.4678, 0.3230, 0.2664



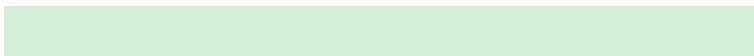
39.4678, 0.4022, 0.3250

Sweetspot

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



39.4694, 0.2959, 0.4058



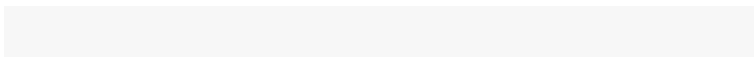
79.5685, 0.3072, 0.3500



43.3652, 0.3501, 0.4207



17.4459, 0.3066, 0.3527



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



39.4694, 0.2959, 0.4058



68.4212, 0.2927, 0.4274



40.5020, 0.2740, 0.3538



10.0975, 0.3082, 0.3463



23.7833, 0.2907, 0.5663



0.8489, 0.2758, 0.5128

Inverse Universe

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



25.7862, 0.3356, 0.2630



40.0882, 0.3426, 0.2481



24.7598, 0.3748, 0.3060



9.1217, 0.3176, 0.3123



8.2605, 0.3989, 0.1971



0.3007, 0.3747, 0.1838

Previews

White Background



This preview shows how the Yxy color 39.4678, 0.2959, 0.4058 looks on a white background.

Color Contrast Check

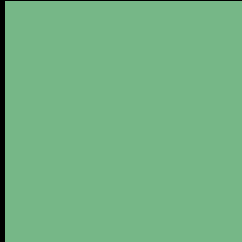
Large Text (above 18pt) WCAG AA × Fail

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 39.4678, 0.2959, 0.4058 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 39.4678, 0.2959, 0.4058

Background



This preview shows how black text looks on a background with the Yxy color 39.4678, 0.2959, 0.4058.



This preview shows how white text looks on a background with the Yxy color 39.4678, 0.2959, 0.4058.

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

39.4678, 0.2959, 0.4058

Protanopia

39.1475, 0.3588, 0.3850

Deuteranopia

38.8525, 0.3651, 0.3571



Tritanopia

39.4355, 0.2649, 0.3085

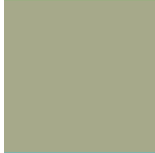
Trichromacy



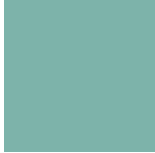
Original Color
39.4678, 0.2959, 0.4058



Protanomaly
38.6939, 0.3333, 0.3915



Deuteranomaly
38.3179, 0.3368, 0.3740

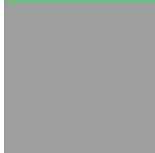


Tritanomaly
39.5025, 0.2761, 0.3426

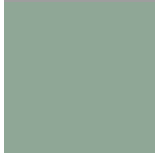
Monochromacy



Original Color
39.4678, 0.2959, 0.4058



Achromatopsia
34.1914, 0.3127, 0.3290



Achromatomaly
35.6791, 0.3051, 0.3552

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.4678, 0.2959, 0.4058 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(118, 183, 135)` looks like.

```
.text, #text, p{  
    color:rgb(118, 183, 135)  
}
```

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(118, 183, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 183, 135) }
```

Border

The CSS property to change the border of an element to Yxy 39.4678, 0.2959, 0.4058 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(118, 183, 135) }
```

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

```
.border{ border-color:rgb(118, 183, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 183, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 183, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 183, 135);  
box-shadow:4px 4px 4px 4px rgb(118, 183,  
135) }
```

Background

The CSS property to change the background color of an element to Yxy 39.4678, 0.2959, 0.4058 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 183, 135) }
```

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

```
.background{ background-color: rgb(118,  
183, 135) }
```

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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