

# Converting Colors

$Y_{xy}(39.0250, 0.2866, 0.3707)$

Have a look what the booklet for  
Yxy(39.0250, 0.2866, 0.3707)  
contains.

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# Color

**Yxy(39.1534, 0.2866, 0.3711)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7BB499
RGB	123, 180, 153
RGB Percent	48%, 71%, 60%
CMY	0.5178, 0.2941, 0.3999
CMYK	0.32, 0.00, 0.15, 0.29
HSL	152°, 28%, 59%
HSV	152°, 32%, 71%
XYZ	30.2381, 39.1534, 36.1148
YIQ	159.8790, -25.3050, -20.4810

# Conversions

## Conversions Part 2

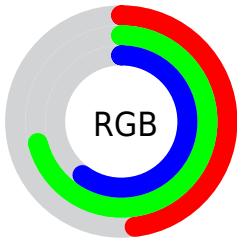
<b>Format</b>	<b>Color</b>
<b>RYB</b>	123, 160, 180
Decimal	8107161
CIELab	68.86, -24.45, 7.87
CIElCh	69, 25.690, 162.159
Yxy	39.1534, 0.2866, 0.3711
Android (android.graphics.Color)	4286297241 (0xFF7BB499)
YUV	159.8790, -3.3913, -32.3429
Hunter-Lab	62.5727, -23.2424, 9.5807

# Details

The Yxy color **39.1534, 0.2866, 0.3711** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **26.0625, 0.3502, 0.2906**, and the grayscale version is **35.1186, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.8430, 0.2920, 0.3631**, and **17.5158, 0.2785, 0.3853** is the 20% darker color. If you saturate the color by 10%, you get **37.6763, 0.2797, 0.3871**, and if you desaturate by 10%, it is **40.8979, 0.2944, 0.3564**.

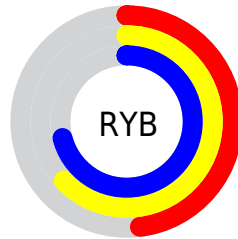
# Distribution



Red (48%)

Green (71%)

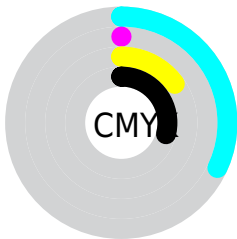
Blue (60%)



Red (48%)

Yellow (63%)

Blue (71%)

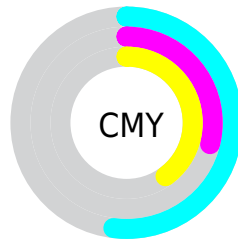


Cyan (32%)

Magenta (0%)

Yellow (15%)

Black (29%)



Cyan (52%)

Magenta (29%)


Yellow (40%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 39.1534, 0.2866, 0.3711 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 39.1534, 0.2866, 0.3711 by changing the saturation by 10% instead.




 39.1534, 0.2866,  
0.3711


 39.1534, 0.2866,  
0.3711

342.5422, 0.3003,  
0.3488


 26.8791, 0.2829,  
0.3771


 73.8726, 0.2918,  
0.3627

 17.4824, 0.2781,  
0.3851


 97.0863, 0.2936,  
0.3596

 10.5790, 0.2714,  
0.3962


 124.7152, 0.2952,  
0.3571

 5.7845, 0.2615,  
0.4128

157.1438, 0.2965,  
0.3549

 2.7145, 0.2455,  
0.4400

194.7563, 0.2977,  
0.3531

 0.9846, 0.1825,  
0.5357

237.9374, 0.2987,

 0.0000, 0.0000,

0.3515

0.0000

287.0712, 0.2996,  
0.3501

■ 39.1534, 0.2866,  
0.3711

■ 39.1534, 0.2866,  
0.3711

■ 37.6763, 0.2797,  
0.3871

■ 40.8979, 0.2944,  
0.3564

■ 36.4478, 0.2739,  
0.4042

■ 42.9177, 0.3027,  
0.3430

■ 35.4546, 0.2695,  
0.4221


■ 45.2264, 0.3113,  
0.3309

■ 34.6798, 0.2669,  
0.4405


■ 47.8351, 0.3199,  
0.3202


■ 34.1042, 0.2663,  
0.4589

■ 50.7545, 0.3285,  
0.3107

 33.7051, 0.2676,  
0.4768

 53.9946, 0.3369,  
0.3023

 33.4694, 0.2698,  
0.4912

 57.5651, 0.3450,  
0.2950

 59.1329, 0.3429,  
0.2871

 59.5986, 0.3359,  
0.2789

# Harmonies

## Analogous

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



39.1534, 0.3239, 0.3939



39.1534, 0.2866, 0.3711



39.1534, 0.2575, 0.3353

# Triad

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



39.1534, 0.2866, 0.3711



39.1534, 0.2653, 0.2671



39.1534, 0.3878, 0.3504

# Complementary

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



39.1534, 0.2866, 0.3711



26.0625, 0.3502, 0.2906

# 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.



39.1534, 0.3703, 0.3192



39.1534, 0.2866, 0.3711



39.1534, 0.2979, 0.2730

# Square

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



39.1534, 0.2866, 0.3711



39.1534, 0.2459, 0.2761



39.1534, 0.3366, 0.2917



39.1534, 0.3835, 0.3785



# Rectangle

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



39.1534, 0.2866, 0.3711



39.1534, 0.2460, 0.3111



39.1534, 0.3366, 0.2917



39.1534, 0.3843, 0.3400

# Sweetspot

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



39.1550, 0.2866, 0.3711



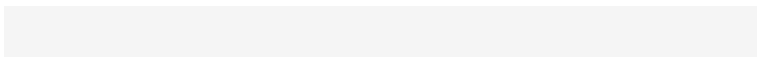
78.4125, 0.3040, 0.3410



40.6097, 0.3323, 0.4142



16.8293, 0.3028, 0.3428



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290



# Same Dimension

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



39.1550, 0.2866, 0.3711



69.0742, 0.2817, 0.3821



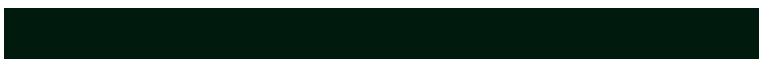
39.7670, 0.2679, 0.3274



9.5624, 0.3047, 0.3400



23.3713, 0.2692, 0.4891



0.7470, 0.2555, 0.4399



# Inverse Universe

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



26.0625, 0.3502, 0.2906



41.5974, 0.3617, 0.2820



25.5286, 0.3833, 0.3306



8.5699, 0.3216, 0.3183



7.2448, 0.5042, 0.2551

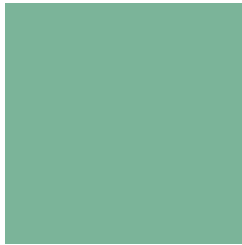


0.2398, 0.4402, 0.2199



# Previews

## White Background



This preview shows how the Yxy color 39.1534, 0.2866, 0.3711 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

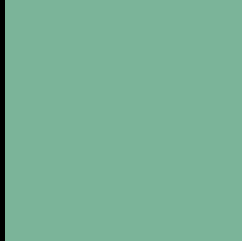
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 39.1534, 0.2866, 0.3711 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

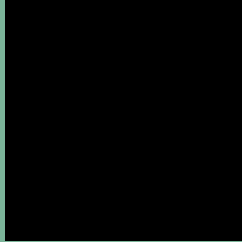
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 39.1534, 0.2866, 0.3711**

## Background



This preview shows how black text looks on a background with the Yxy color 39.1534, 0.2866, 0.3711.



This preview shows how white text looks on a background with the Yxy color 39.1534, 0.2866, 0.3711.

# 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

39.1534, 0.2866, 0.3711

### Protanopia

38.8267, 0.3388, 0.3586

### Deuteranopia

38.8398, 0.3415, 0.3358



## Tritanopia

39.1594, 0.2668, 0.3085

# Trichromacy



## Original Color

39.1534, 0.2866, 0.3711

## Protanomaly

38.7429, 0.3174, 0.3629

## Deuteranomaly

38.6687, 0.3192, 0.3477

## Tritanomaly

39.1681, 0.2738, 0.3304

# Monochromacy



## Original Color

39.1534, 0.2866, 0.3711

## Achromatopsia

35.1533, 0.3127, 0.3290

## Achromatomaly

36.2748, 0.3029, 0.3441

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  39.1534, 0.2866, 0.3711 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(123, 180, 153)` looks like.

```
.text, #text, p{  
    color:rgb(123, 180, 153)  
}
```

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(123, 180, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 180, 153) }
```

## Border

The CSS property to change the border of an element to Yxy 39.1534, 0.2866, 0.3711 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(123, 180, 153) }
```

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

```
.border{ border-color:rgb(123, 180, 153) }
```

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

Here you see how a box with a 4 pixel rgb(123, 180, 153) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 180, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 180, 153);  
box-shadow:4px 4px 4px 4px rgb(123, 180,  
153) }
```



# Background

The CSS property to change the background color of an element to Yxy 39.1534, 0.2866, 0.3711 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 180, 153) }
```

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

```
.background{ background-color: rgb(123,  
180, 153) }
```

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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