

# Converting Colors

$Yxy(43.6732, 0.3101, 0.3482)$

Have a look what the booklet for  
Yxy(43.6732, 0.3101, 0.3482)  
contains.

<b>Yxy(43.8371, 0.3101, 0.3484)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(43.8371, 0.3101, 0.3484)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A5B5A7
RGB	165, 181, 167
RGB Percent	65%, 71%, 65%
CMY	0.3529, 0.2902, 0.3451
CMYK	0.09, 0.00, 0.08, 0.29
HSL	128°, 10%, 68%
HSV	128°, 9%, 71%
XYZ	39.0180, 43.8371, 42.9689
YIQ	174.6200, -5.0420, -7.7460

# Conversions

## Conversions Part 2

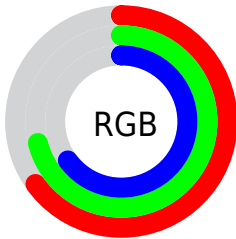
Format	Color
<a href="#">RYB</a>	<a href="#">165, 179, 181</a>
Decimal	<a href="#">10859943</a>
CIELab	<a href="#">72.12, -8.22, 5.23</a>
CIELCh	<a href="#">72, 9.745, 147.537</a>
Yxy	<a href="#">43.8371, 0.3101, 0.3484</a>
Android (android.graphics.Color)	<a href="#">4289050023 (0xFFA5B5A7)</a>
YUV	<a href="#">174.6200, -3.7567, -8.4367</a>
Hunter-Lab	<a href="#">66.2096, -10.6748, 7.8685</a>

# Details

The Yxy color  $43.8371, 0.3101, 0.3484$  is a light color, and the websafe version is hex  $999999$ . A complement of this color would be  $39.9923, 0.3154, 0.3103$ , and the grayscale version is  $42.6868, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $81.0579, 0.3106, 0.3450$ , and  $20.1869, 0.3092, 0.3542$  is the 20% darker color. If you saturate the color by 10%, you get  $41.4830, 0.3071, 0.3731$ , and if you desaturate by 10%, it is  $46.5414, 0.3131, 0.3266$ .

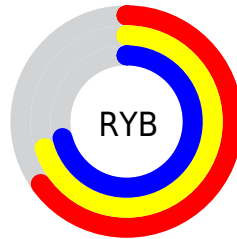
# Distribution



Red (65%)

Green (71%)

Blue (65%)



Red (65%)

Yellow (70%)

Blue (71%)

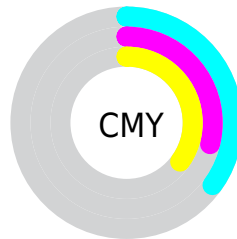


Cyan (9%)

Magenta (0%)

Yellow (8%)

Black (29%)



Cyan (35%)

Magenta (29%)


Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 43.8371, 0.3101, 0.3484 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 43.8371, 0.3101, 0.3484 by changing the saturation by 10% instead.




 43.8371, 0.3101,  
0.3484

 43.8371, 0.3101,  
0.3484

362.0431, 0.3115,  
0.3385

 30.5425, 0.3097,  
0.3510


 80.9726, 0.3106,  
0.3447

 20.2507, 0.3092,  
0.3543

 105.5822, 0.3108,  
0.3434

 12.5774, 0.3085,  
0.3588

134.7322, 0.3110,  
0.3422

 7.1382, 0.3075,  
0.3653

168.8072, 0.3111,  
0.3413

 3.5487, 0.3059,  
0.3754

208.1913, 0.3112,  
0.3404

 1.4245, 0.3027,  
0.3932

253.2691, 0.3113,

 0.2346, 0.0868,

0.3397

0.9132

304.4249, 0.3114,  
0.3390

0.0000, 0.0000,  
0.0000

43.8371, 0.3101,  
0.3484

43.8371, 0.3101,  
0.3484

41.4830, 0.3071,  
0.3731

46.5414, 0.3131,  
0.3266

39.4593, 0.3040,  
0.4006

49.6035, 0.3159,  
0.3076

37.7530, 0.3012,  
0.4307

53.0378, 0.3185,  
0.2911

36.3478, 0.2987,  
0.4623

56.8562, 0.3209,  
0.2768

35.2262, 0.2967,  
0.4944

60.9733, 0.3228,  
0.2644

■ 34.3687, 0.2956,  
0.5250

■ 61.5282, 0.3161,  
0.2565

■ 33.7533, 0.2953,  
0.5521

■ 33.3546, 0.2960,  
0.5738

■ 33.1298, 0.2972,  
0.5889

# Harmonies

## Analogous

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



43.8371, 0.3240, 0.3533



43.8371, 0.3101, 0.3484



43.8371, 0.2971, 0.3379

# Triad

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



43.8371, 0.3101, 0.3484



43.8371, 0.2907, 0.3068



43.8371, 0.3376, 0.3320

# Complementary

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



43.8371, 0.3101, 0.3484



39.9923, 0.3154, 0.3103

# 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.



43.8371, 0.3283, 0.3202



43.8371, 0.3101, 0.3484



43.8371, 0.3011, 0.3058

# Square

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



43.8371, 0.3101, 0.3484



43.8371, 0.2861, 0.3138



43.8371, 0.3149, 0.3107



43.8371, 0.3401, 0.3434



# Rectangle

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



43.8371, 0.3101, 0.3484



43.8371, 0.2907, 0.3294



43.8371, 0.3149, 0.3107



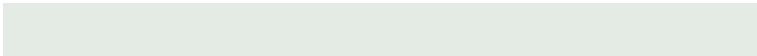
43.8371, 0.3352, 0.3280

# Sweetspot

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



43.8390, 0.3101, 0.3484



81.2364, 0.3118, 0.3354



45.3650, 0.3240, 0.3504



17.4740, 0.3116, 0.3372



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.



43.8390, 0.3101, 0.3484



77.4678, 0.3094, 0.3539



44.1386, 0.3040, 0.3374



9.5068, 0.3100, 0.3495



22.8300, 0.2969, 0.5890



0.7238, 0.2867, 0.5520



# Inverse Universe

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



39.9923, 0.3154, 0.3103



68.8845, 0.3162, 0.3053



39.6833, 0.3223, 0.3208



8.6281, 0.3156, 0.3093



8.4894, 0.3547, 0.1728



0.2722, 0.3440, 0.1669



# Previews

## White Background



This preview shows how the Yxy color 43.8371, 0.3101, 0.3484 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

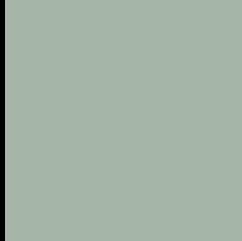
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 43.8371, 0.3101, 0.3484 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

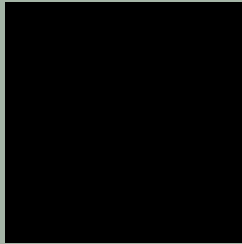
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

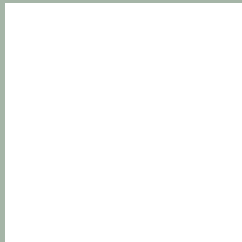
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 43.8371, 0.3101, 0.3484**

## **Background**



This preview shows how black text looks on a background with the Yxy color 43.8371, 0.3101, 0.3484.



This preview shows how white text looks on a background with the Yxy color 43.8371, 0.3101, 0.3484.

# 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

43.8371, 0.3101, 0.3484

### Protanopia

43.7983, 0.3290, 0.3451

### Deuteranopia

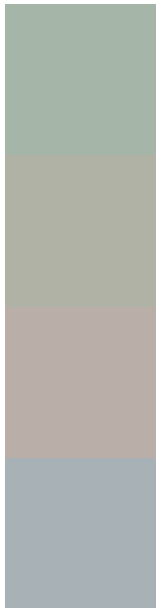
43.7262, 0.3374, 0.3316



## Tritanopia

43.6409, 0.2950, 0.3103

# Trichromacy



## Original Color

43.8371, 0.3101, 0.3484

## Protanomaly

43.7875, 0.3216, 0.3467

## Deuteranomaly

43.8014, 0.3275, 0.3383

## Tritanomaly

43.5430, 0.3010, 0.3235

# Monochromacy



## Original Color

43.8371, 0.3101, 0.3484

## Achromatopsia

42.8690, 0.3127, 0.3290

## Achromatomaly

43.0808, 0.3115, 0.3358

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 43.8371, 0.3101, 0.3484 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(165, 181, 167)` looks like.

```
.text, #text, p{  
    color:rgb(165, 181, 167)  
}
```

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(165, 181, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 181, 167) }
```

## Border

The CSS property to change the border of an element to Yxy 43.8371, 0.3101, 0.3484 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(165, 181, 167) }
```

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

```
.border{ border-color:rgb(165, 181, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 181, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 181, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 181, 167);  
box-shadow:4px 4px 4px 4px rgb(165, 181,  
167) }
```



# Background

The CSS property to change the background color of an element to Yxy 43.8371, 0.3101, 0.3484 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 181, 167) }
```

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

```
.background{ background-color: rgb(165,  
181, 167) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor