

# Converting Colors

$Yxy(43.7876, 0.3352, 0.4021)$

Have a look what the booklet for  
Yxy(43.7876, 0.3352, 0.4021)  
contains.

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# Color

**Yxy(43.7610, 0.3348, 0.4016)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A3B885
RGB	163, 184, 133
RGB Percent	64%, 72%, 52%
CMY	0.3607, 0.2784, 0.4783
CMYK	0.11, 0.00, 0.28, 0.28
HSL	85°, 26%, 62%
HSV	85°, 28%, 72%
XYZ	36.4820, 43.7610, 28.7236
YIQ	171.9070, 3.8550, -20.3130

# Conversions

## Conversions Part 2

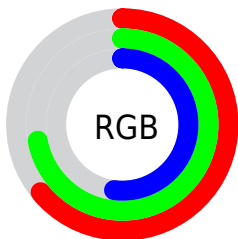
<b>Format</b>	<b>Color</b>
<b>RYB</b>	133, 184, 154
Decimal	10729605
CIELab	72.07, -16.23, 23.57
CIElCh	72, 28.622, 124.555
Yxy	43.7610, 0.3348, 0.4016
Android (android.graphics.Color)	4288919685 (0xFFA3B885)
YUV	171.9070, -19.1812, -7.8114
Hunter-Lab	66.1521, -17.3257, 20.5624

# Details

The Yxy color **43.7610, 0.3348, 0.4016** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **27.1145, 0.2853, 0.2547**, and the grayscale version is **41.3059, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.7708, 0.3312, 0.3881**, and **20.2366, 0.3403, 0.4242** is the 20% darker color. If you saturate the color by 10%, you get **42.5220, 0.3420, 0.4301**, and if you desaturate by 10%, it is **45.1408, 0.3270, 0.3740**.

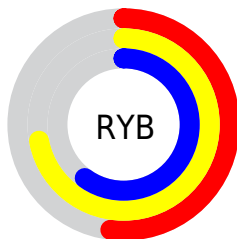
# Distribution



Red (64%)

Green (72%)

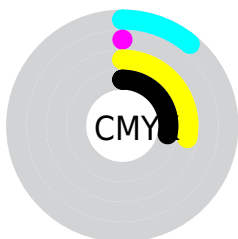
Blue (52%)



Red (52%)

Yellow (72%)

Blue (60%)

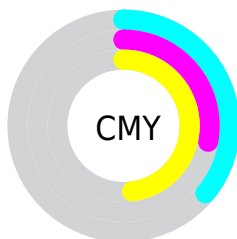


Cyan (11%)

Magenta (0%)

Yellow (28%)

Black (28%)



Cyan (36%)

Magenta (28%)


Yellow (48%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 43.7610, 0.3348, 0.4016 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 43.7610, 0.3348, 0.4016 by changing the saturation by 10% instead.





 43.7610, 0.3348,  
0.4016

 43.7610, 0.3348,  
0.4016


361.7321, 0.3244,  
0.3639


 30.4827, 0.3371,  
0.4114


 80.8580, 0.3312,  
0.3876

 20.2052, 0.3400,  
0.4243

 105.4454, 0.3298,  
0.3824

 12.5443, 0.3433,  
0.4417


 134.5713, 0.3286,  
0.3781

 7.1155, 0.3472,  
0.4666

168.6202, 0.3275,  
0.3744

 3.5345, 0.3508,  
0.5046

207.9762, 0.3266,  
0.3712

 1.4167, 0.3815,  
0.6185

253.0240, 0.3257,

 0.2290, 0.0000,

0.3684

1.0000

304.1478, 0.3250,  
0.3660

0.0000, 0.0000,  
0.0000

43.7610, 0.3348,  
0.4016

43.7610, 0.3348,  
0.4016

42.5220, 0.3420,  
0.4301

45.1408, 0.3270,  
0.3740

41.4126, 0.3482,  
0.4585

46.6608, 0.3189,  
0.3479

40.4289, 0.3529,  
0.4857

48.3278, 0.3109,  
0.3236

39.5642, 0.3557,  
0.5104

50.1462, 0.3031,  
0.3014

38.8114, 0.3562,  
0.5313

52.1205, 0.2956,  
0.2812

■ 38.1621, 0.3543,  
0.5474

■ 54.2548, 0.2886,  
0.2631

■ 37.6042, 0.3504,  
0.5585

■ 56.1056, 0.2865,  
0.2531

■ 37.4844, 0.3494,  
0.5608

■ 57.2864, 0.2921,  
0.2543

■ 58.5211, 0.2978,  
0.2555

# Harmonies

## Analogous

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



43.7610, 0.3709, 0.3974



43.7610, 0.3348, 0.4016



43.7610, 0.2942, 0.3825

# Triad

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



43.7610, 0.3348, 0.4016



43.7610, 0.2388, 0.2773



43.7610, 0.3666, 0.3104

# Complementary

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



43.7610, 0.3348, 0.4016



27.1145, 0.2853, 0.2547

# 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.



43.7610, 0.3278, 0.2830



43.7610, 0.3348, 0.4016



43.7610, 0.2551, 0.2637

# Square

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



43.7610, 0.3348, 0.4016



43.7610, 0.2405, 0.3067



43.7610, 0.2869, 0.2662



43.7610, 0.3907, 0.3431



# Rectangle

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



43.7610, 0.3348, 0.4016



43.7610, 0.2702, 0.3593



43.7610, 0.2869, 0.2662



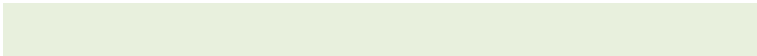
43.7610, 0.3547, 0.3004

# Sweetspot

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



43.7629, 0.3348, 0.4016



84.4621, 0.3193, 0.3490



34.8034, 0.3644, 0.3576



18.1159, 0.3205, 0.3528



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

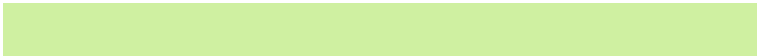


# Same Dimension

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



43.7629, 0.3348, 0.4016



77.9877, 0.3391, 0.4182



41.3887, 0.3132, 0.4067



10.3141, 0.3202, 0.3520



25.8765, 0.3502, 0.5601



0.9475, 0.3681, 0.5459



# Inverse Universe

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



27.1145, 0.2853, 0.2547



42.9822, 0.2781, 0.2372



29.8153, 0.3106, 0.2601



8.8952, 0.3047, 0.3058



3.4763, 0.1877, 0.0807



0.1590, 0.2184, 0.0977



# Previews

## White Background



This preview shows how the Yxy color 43.7610, 0.3348, 0.4016 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 43.7610, 0.3348, 0.4016 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

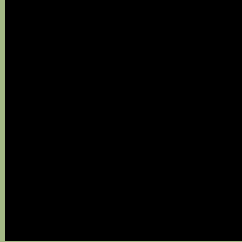
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 43.7610, 0.3348, 0.4016**

## Background



This preview shows how black text looks on a background with the Yxy color 43.7610, 0.3348, 0.4016.



This preview shows how white text looks on a background with the Yxy color 43.7610, 0.3348, 0.4016.

# 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

43.7610, 0.3348, 0.4016

### Protanopia

43.4812, 0.3639, 0.3903

### Deuteranopia

43.4189, 0.3788, 0.3707



## Tritanopia

43.8638, 0.2966, 0.3104

# Trichromacy



## Original Color

43.7610, 0.3348, 0.4016

## Protanomaly

43.5822, 0.3535, 0.3946

## Deuteranomaly

43.0977, 0.3622, 0.3808

## Tritanomaly

43.8696, 0.3104, 0.3427

# Monochromacy



## Original Color

43.7610, 0.3348, 0.4016

## Achromatopsia

41.2543, 0.3127, 0.3290

## Achromatomaly

41.9543, 0.3213, 0.3542

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 43.7610, 0.3348, 0.4016 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(163, 184, 133)` looks like.

```
.text, #text, p{  
    color:rgb(163, 184, 133)  
}
```

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(163, 184, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 184, 133) }
```

## Border

The CSS property to change the border of an element to Yxy 43.7610, 0.3348, 0.4016 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(163, 184, 133) }
```

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

```
.border{ border-color:rgb(163, 184, 133) }
```

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

Here you see how a box with a 4 pixel rgb(163, 184, 133) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 184, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 184, 133);  
box-shadow:4px 4px 4px 4px rgb(163, 184,  
133) }
```



# Background

The CSS property to change the background color of an element to Yxy 43.7610, 0.3348, 0.4016 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 184, 133) }
```

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

```
.background{ background-color: rgb(163,  
184, 133) }
```

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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