

# Converting Colors

$Yxy(48.6160, 0.3240, 0.4209)$

Have a look what the booklet for  
Yxy(48.6160, 0.3240, 0.4209)  
contains.

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# Color

**Yxy(48.8539, 0.3237, 0.4209)**

# Conversions

## Conversions Part 1

Format	Color
Hex	99C685
RGB	153, 198, 133
RGB Percent	60%, 78%, 52%
CMY	0.3998, 0.2236, 0.4784
CMYK	0.23, 0.00, 0.33, 0.22
HSL	102°, 36%, 65%
HSV	102°, 33%, 78%
XYZ	37.5719, 48.8539, 29.6443
YIQ	177.1350, -5.9550, -29.7550

# Conversions

## Conversions Part 2

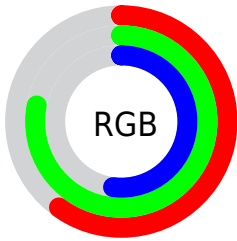
Format	Color
<a href="#">RYB</a>	<a href="#">133, 198, 178</a>
Decimal	<a href="#">10077829</a>
CIELab	<a href="#">75.36, -26.84, 27.89</a>
CIElCh	<a href="#">75, 38.709, 133.899</a>
Yxy	<a href="#">48.8539, 0.3237, 0.4209</a>
Android (android.graphics.Color)	<a href="#">4288267909 (0xFF99C685)</a>
YUV	<a href="#">177.1350, -21.7586, -21.1664</a>
Hunter-Lab	<a href="#">69.8956, -26.3658, 23.7807</a>

# Details

The Yxy color **48.8539, 0.3237, 0.4209** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **30.3162, 0.2965, 0.2434**, and the grayscale version is **44.1660, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.5178, 0.3221, 0.4030**, and **23.3378, 0.3248, 0.4485** is the 20% darker color. If you saturate the color by 10%, you get **47.1017, 0.3259, 0.4530**, and if you desaturate by 10%, it is **50.8665, 0.3208, 0.3902**.

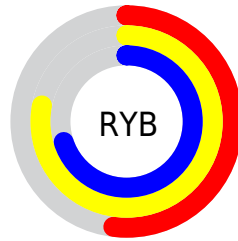
# Distribution



Red (60%)

Green (78%)

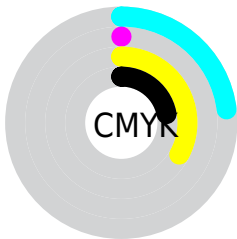
Blue (52%)



Red (52%)

Yellow (78%)

Blue (70%)

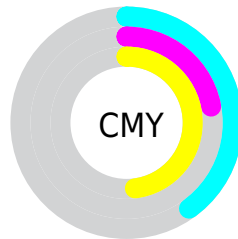


Cyan (23%)

Magenta (0%)

Yellow (33%)

Black (22%)



Cyan (40%)

Magenta (22%)


Yellow (48%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.8539, 0.3237, 0.4209 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 48.8539, 0.3237, 0.4209 by changing the saturation by 10% instead.





 48.8539, 0.3237,  
0.4209


 48.8539, 0.3237,  
0.4209

382.1669, 0.3195,  
0.3733


 34.5036, 0.3243,  
0.4332


 88.4744, 0.3225,  
0.4033

 23.2807, 0.3246,  
0.4492


 114.5134, 0.3220,  
0.3968

 14.8009, 0.3246,  
0.4708


 145.2175, 0.3215,  
0.3913

 8.6798, 0.3233,  
0.5013

180.9709, 0.3210,  
0.3866

 4.5329, 0.3186,  
0.5469

222.1582, 0.3206,  
0.3826

 1.9759, 0.3285,  
0.6715

269.1637, 0.3202,

 0.5934, 0.0000,

0.3791

1.0000

322.3718, 0.3199,  
0.3760

0.0000, 0.0000,  
0.0000

48.8539, 0.3237,  
0.4209

48.8539, 0.3237,  
0.4209

47.1017, 0.3259,  
0.4530

50.8665, 0.3208,  
0.3902

45.5925, 0.3271,  
0.4852

53.1433, 0.3174,  
0.3618

44.3167, 0.3271,  
0.5159

55.6962, 0.3138,  
0.3358


43.2614, 0.3255,  
0.5433


58.5344, 0.3101,  
0.3126


42.4121, 0.3224,  
0.5653

61.6664, 0.3065,  
0.2919

 41.7524, 0.3180,  
0.5808

 65.1008, 0.3030,  
0.2737

 41.3786, 0.3146,  
0.5884

 67.7290, 0.3108,  
0.2724

 68.8652, 0.3153,  
0.2732

# Harmonies

## Analogous

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



48.8539, 0.3740, 0.4228



48.8539, 0.3237, 0.4209



48.8539, 0.2728, 0.3866

# Triad

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



48.8539, 0.3237, 0.4209



48.8539, 0.2225, 0.2544



48.8539, 0.3958, 0.3168

# Complementary

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



48.8539, 0.3237, 0.4209



30.3162, 0.2965, 0.2434

# 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.



48.8539, 0.3487, 0.2799



48.8539, 0.3237, 0.4209



48.8539, 0.2494, 0.2446

# Square

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



48.8539, 0.3237, 0.4209



48.8539, 0.2173, 0.2851



48.8539, 0.2944, 0.2542



48.8539, 0.4185, 0.3586



# Rectangle

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



48.8539, 0.3237, 0.4209



48.8539, 0.2454, 0.3519



48.8539, 0.2944, 0.2542



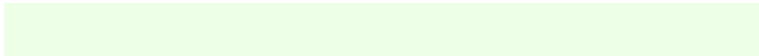
48.8539, 0.3821, 0.3036

# Sweetspot

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



48.8560, 0.3237, 0.4209



95.2720, 0.3164, 0.3546



45.3079, 0.3694, 0.3863



20.2587, 0.3169, 0.3584



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

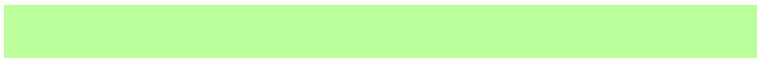


# Same Dimension

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



48.8560, 0.3237, 0.4209



84.3706, 0.3253, 0.4425



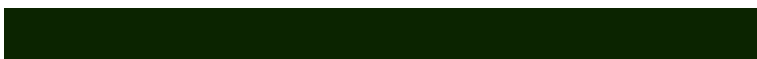
47.4150, 0.3003, 0.4072



12.0438, 0.3161, 0.3525



26.9516, 0.3154, 0.5878



1.3149, 0.3321, 0.5745



# Inverse Universe

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



30.3162, 0.2965, 0.2434



46.7477, 0.2920, 0.2249



32.3325, 0.3284, 0.2618



10.6463, 0.3089, 0.3059



6.1546, 0.2449, 0.1123



0.3283, 0.2613, 0.1213



# Previews

## White Background



This preview shows how the Yxy color 48.8539, 0.3237, 0.4209 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 48.8539, 0.3237, 0.4209 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 48.8539, 0.3237, 0.4209**

## **Background**



This preview shows how black text looks on a background with the Yxy color 48.8539, 0.3237, 0.4209.



This preview shows how white text looks on a background with the Yxy color 48.8539, 0.3237, 0.4209.

# 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

48.8539, 0.3237, 0.4209

### Protanopia

48.5358, 0.3724, 0.4011

### Deuteranopia

48.1847, 0.3841, 0.3760



## Tritanopia

48.6473, 0.2824, 0.3094

# Trichromacy



## Original Color

48.8539, 0.3237, 0.4209

## Protanomaly

48.5059, 0.3535, 0.4085

## Deuteranomaly

47.9448, 0.3604, 0.3923

## Tritanomaly

48.3872, 0.2976, 0.3480

# Monochromacy



## Original Color

48.8539, 0.3237, 0.4209

## Achromatopsia

43.9657, 0.3127, 0.3290

## Achromatomaly

45.5960, 0.3171, 0.3620

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.8539, 0.3237, 0.4209 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(153, 198, 133)` looks like.

```
.text, #text, p{  
    color:rgb(153, 198, 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(153, 198, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 198, 133) }
```

## Border

The CSS property to change the border of an element to Yxy 48.8539, 0.3237, 0.4209 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(153, 198, 133) }
```

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

```
.border{ border-color:rgb(153, 198, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 198, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 198, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 198, 133);  
box-shadow:4px 4px 4px 4px rgb(153, 198,  
133) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.8539, 0.3237, 0.4209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 198, 133) }
```

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

```
.background{ background-color: rgb(153,  
198, 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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