

# Converting Colors

Yxy(51.2360, 0.3397, 0.4248)

Have a look what the booklet for  
Yxy(51.2360, 0.3397, 0.4248)  
contains.

<b>Yxy(51.3285, 0.3392, 0.4248)</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(51.3285, 0.3392, 0.4248)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A9C881
RGB	169, 200, 129
RGB Percent	66%, 78%, 51%
CMY	0.3371, 0.2157, 0.4941
CMYK	0.15, 0.00, 0.35, 0.22
HSL	86°, 39%, 65%
HSV	86°, 35%, 78%
XYZ	40.9855, 51.3285, 28.5158
YIQ	182.6370, 4.3150, -28.6530

# Conversions

## Conversions Part 2

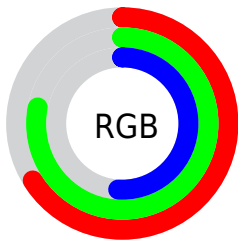
<b>Format</b>	<b>Color</b>
<b>RYB</b>	129, 200, 160
Decimal	11126913
CIELab	76.88, -22.59, 32.17
CIELCh	77, 39.312, 125.071
Yxy	51.3285, 0.3392, 0.4248
Android (android.graphics.Color)	4289316993 (0xFFA9C881)
YUV	182.6370, -26.4430, -11.9596
Hunter-Lab	71.6439, -23.2620, 26.5520

# Details

The Yxy color **51.3285, 0.3392, 0.4248** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **27.3396, 0.2770, 0.2311**, and the grayscale version is **47.2952, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.9464, 0.3354, 0.4048**, and **24.8353, 0.3440, 0.4522** is the 20% darker color. If you saturate the color by 10%, you get **49.9171, 0.3452, 0.4538**, and if you desaturate by 10%, it is **52.9128, 0.3322, 0.3960**.

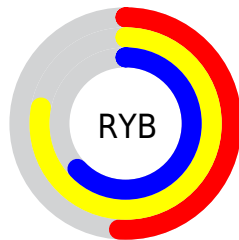
# Distribution



Red (66%)

Green (78%)

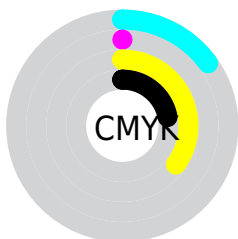
Blue (51%)



Red (51%)

Yellow (78%)

Blue (63%)

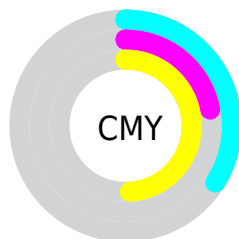


Cyan (15%)

Magenta (0%)

Yellow (35%)

Black (22%)



Cyan (34%)

Magenta (22%)


Yellow (49%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.3285, 0.3392, 0.4248 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 51.3285, 0.3392, 0.4248 by changing the saturation by 10% instead.





 51.3285, 0.3392,  
0.4248


 51.3285, 0.3392,  
0.4248


391.8387, 0.3275,  
0.3760


 36.4701, 0.3415,  
0.4371


 92.1402, 0.3354,  
0.4069

 24.7975, 0.3441,  
0.4529


 118.8622, 0.3338,  
0.4003

 15.9262, 0.3468,  
0.4738


 150.3076, 0.3325,  
0.3946

 9.4720, 0.3492,  
0.5025

186.8608, 0.3312,  
0.3898

 5.0503, 0.3496,  
0.5438

228.9061, 0.3302,  
0.3857

 2.2768, 0.3608,  
0.6392

276.8279, 0.3292,

 0.7614, 0.1845,

0.3820

0.8155

331.0107, 0.3283,  
0.3789

0.0000, 0.0000,  
0.0000

51.3285, 0.3392,  
0.4248

51.3285, 0.3392,  
0.4248

49.9171, 0.3452,  
0.4538

52.9128, 0.3322,  
0.3960

48.6645, 0.3499,  
0.4819

54.6701, 0.3247,  
0.3684

47.5650, 0.3527,  
0.5078

56.6091, 0.3169,  
0.3424

46.6096, 0.3533,  
0.5300


58.7356, 0.3093,  
0.3185


45.7882, 0.3515,  
0.5475


61.0555, 0.3019,  
0.2966

 45.0886, 0.3475,  
0.5596

 63.5742, 0.2948,  
0.2769

 44.8034, 0.3454,  
0.5640

 65.3622, 0.2971,  
0.2721

 66.8419, 0.3034,  
0.2732

 68.3947, 0.3097,  
0.2743

# Harmonies

## Analogous

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



51.3285, 0.3865, 0.4175



51.3285, 0.3392, 0.4248



51.3285, 0.2870, 0.3995

# Triad

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



51.3285, 0.3392, 0.4248



51.3285, 0.2188, 0.2613



51.3285, 0.3837, 0.3052

# Complementary

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



51.3285, 0.3392, 0.4248



27.3396, 0.2770, 0.2311

# 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.



51.3285, 0.3326, 0.2710



51.3285, 0.3392, 0.4248



51.3285, 0.2394, 0.2454

# Square

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



51.3285, 0.3392, 0.4248



51.3285, 0.2202, 0.2979



51.3285, 0.2797, 0.2496



51.3285, 0.4149, 0.3462



# Rectangle

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



51.3285, 0.3392, 0.4248



51.3285, 0.2567, 0.3677



51.3285, 0.2797, 0.2496



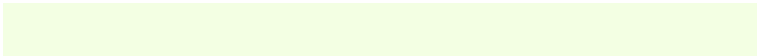
51.3285, 0.3681, 0.2927

# Sweetspot

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



51.3308, 0.3392, 0.4248



96.0771, 0.3213, 0.3569



38.9239, 0.3825, 0.3693



20.4669, 0.3224, 0.3605



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

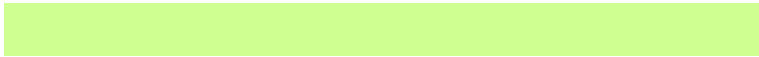


# Same Dimension

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



51.3308, 0.3392, 0.4248



86.8684, 0.3442, 0.4484



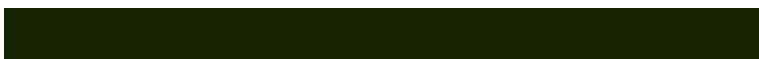
47.9376, 0.3112, 0.4336



12.1780, 0.3199, 0.3523



28.5431, 0.3463, 0.5632



1.3938, 0.3612, 0.5514



# Inverse Universe

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



27.3396, 0.2770, 0.2311



38.9360, 0.2664, 0.2064



31.5078, 0.3120, 0.2407



10.5099, 0.3050, 0.3056



3.9970, 0.1914, 0.0828



0.2319, 0.2154, 0.0960



# Previews

## White Background



This preview shows how the Yxy color 51.3285, 0.3392, 0.4248 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 51.3285, 0.3392, 0.4248 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

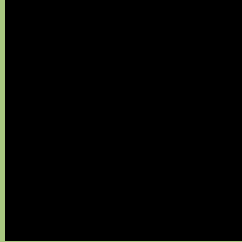
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 51.3285, 0.3392, 0.4248**

## **Background**



This preview shows how black text looks on a background with the Yxy color 51.3285, 0.3392, 0.4248.



This preview shows how white text looks on a background with the Yxy color 51.3285, 0.3392, 0.4248.

# 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

51.3285, 0.3392, 0.4248

### Protanopia

50.9977, 0.3785, 0.4077

### Deuteranopia

50.7488, 0.3930, 0.3850



## Tritanopia

51.4211, 0.2931, 0.3102

# Trichromacy



## Original Color

51.3285, 0.3392, 0.4248

## Protanomaly

50.9837, 0.3644, 0.4144

## Deuteranomaly

50.6115, 0.3725, 0.3984

## Tritanomaly

51.0280, 0.3101, 0.3499

# Monochromacy



## Original Color

51.3285, 0.3392, 0.4248

## Achromatopsia

47.3531, 0.3127, 0.3290

## Achromatomaly

48.5045, 0.3236, 0.3636

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.3285, 0.3392, 0.4248 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(169, 200, 129)` looks like.

```
.text, #text, p{  
    color:rgb(169, 200, 129)  
}
```

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(169, 200, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 200, 129) }
```

## Border

The CSS property to change the border of an element to Yxy 51.3285, 0.3392, 0.4248 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(169, 200, 129) }
```

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

```
.border{ border-color:rgb(169, 200, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 200, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 200, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 200, 129);  
box-shadow:4px 4px 4px 4px rgb(169, 200,  
129) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.3285, 0.3392, 0.4248 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 200, 129) }
```

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

```
.background{ background-color: rgb(169,  
200, 129) }
```

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