

# Converting Colors

$Yxy(55.0158, 0.3294, 0.3724)$

Have a look what the booklet for  
Yxy(55.0158, 0.3294, 0.3724)  
contains.

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# Color

**Yxy(54.8805, 0.3289, 0.3720)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BDC8A6
RGB	189, 200, 166
RGB Percent	74%, 78%, 65%
CMY	0.2589, 0.2157, 0.3489
CMYK	0.06, 0.00, 0.17, 0.22
HSL	79°, 24%, 72%
HSV	79°, 17%, 78%
XYZ	48.5220, 54.8805, 44.1257
YIQ	192.8350, 4.3580, -12.9060

# Conversions

## Conversions Part 2

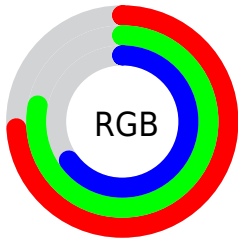
Format	Color
<a href="#">RYB</a>	<a href="#">166, 200, 177</a>
Decimal	<a href="#">12437670</a>
<a href="#">CIELab</a>	<a href="#">78.97, -9.75, 15.74</a>
<a href="#">CIELCh</a>	<a href="#">79, 18.518, 121.782</a>
<a href="#">Yxy</a>	<a href="#">54.8805, 0.3289, 0.3720</a>
<a href="#">Android (android.graphics.Color)</a>	<a href="#">4290627750 (0xFFBDC8A6)</a>
<a href="#">YUV</a>	<a href="#">192.8350, -13.2297, -3.3633</a>
<a href="#">Hunter-Lab</a>	<a href="#">74.0814, -12.7280, 16.5416</a>

# Details

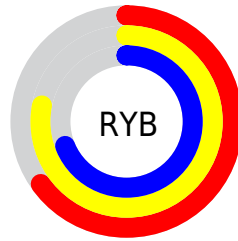
The Yxy color **54.8805, 0.3289, 0.3720** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **40.8076, 0.2945, 0.2847**, and the grayscale version is **53.3044, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.1529, 0.3263, 0.3628**, and **27.0069, 0.3335, 0.3838** is the 20% darker color. If you saturate the color by 10%, you get **53.3934, 0.3383, 0.3991**, and if you desaturate by 10%, it is **56.5237, 0.3193, 0.3461**.

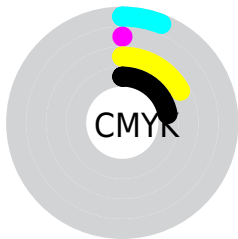
# Distribution



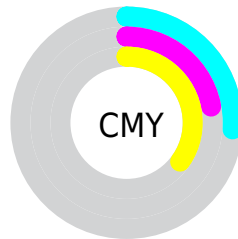
- Red (74%)
- Green (78%)
- Blue (65%)



- Red (65%)
- Yellow (78%)
- Blue (69%)



- Cyan (6%)
- Magenta (0%)
- Yellow (17%)
- Black (22%)




- Cyan (26%)
- Magenta (22%)
- Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 54.8805, 0.3289, 0.3720 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 54.8805, 0.3289, 0.3720 by changing the saturation by 10% instead.





 54.8805, 0.3289,  
0.3720

 54.8805, 0.3289,  
0.3720


405.4588, 0.3212,  
0.3507

 39.3061, 0.3307,  
0.3773


 97.3658, 0.3262,  
0.3643

 26.9979, 0.3329,  
0.3840


 125.0455, 0.3252,  
0.3614

 17.5716, 0.3357,  
0.3928


157.5291, 0.3243,  
0.3589

 10.6429, 0.3393,  
0.4050

195.2009, 0.3235,  
0.3568

 5.8273, 0.3442,  
0.4228

238.4454, 0.3228,  
0.3550

 2.7403, 0.3508,  
0.4511

287.6470, 0.3223,

 0.9977, 0.4144,

0.3534

0.5856

343.1900, 0.3217,  
0.3520

0.0000, 0.0000,  
0.0000

54.8805, 0.3289,  
0.3720

54.8805, 0.3289,  
0.3720

53.3934, 0.3383,  
0.3991

56.5237, 0.3193,  
0.3461

52.0494, 0.3471,  
0.4268

58.3212, 0.3099,  
0.3219

50.8449, 0.3549,  
0.4542


60.2806, 0.3008,  
0.2996


49.7731, 0.3612,  
0.4801

62.4065, 0.2921,  
0.2792


48.8267, 0.3655,  
0.5034


63.9725, 0.2910,  
0.2711


 47.9973, 0.3675,  
0.5228


 65.0137, 0.2956,  
0.2719

 47.2756, 0.3669,  
0.5376

 66.0948, 0.3002,  
0.2727

 46.6486, 0.3640,  
0.5475

 67.2162, 0.3049,  
0.2735

 46.4716, 0.3629,  
0.5500

 68.3783, 0.3097,  
0.2743

# Harmonies

## Analogous

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



54.8805, 0.3497, 0.3695



54.8805, 0.3289, 0.3720



54.8805, 0.3043, 0.3617

# Triad

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



54.8805, 0.3289, 0.3720



54.8805, 0.2668, 0.2995



54.8805, 0.3432, 0.3162

# Complementary

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



54.8805, 0.3289, 0.3720



40.8076, 0.2945, 0.2847

# 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.



54.8805, 0.3198, 0.2992



54.8805, 0.3289, 0.3720



54.8805, 0.2762, 0.2894

# Square

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



54.8805, 0.3289, 0.3720



54.8805, 0.2691, 0.3185



54.8805, 0.2953, 0.2895



54.8805, 0.3584, 0.3367



# Rectangle

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



54.8805, 0.3289, 0.3720



54.8805, 0.2891, 0.3490



54.8805, 0.2953, 0.2895



54.8805, 0.3360, 0.3099

# Sweetspot

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



54.8829, 0.3289, 0.3720



98.4295, 0.3175, 0.3413



46.3960, 0.3426, 0.3427



21.0219, 0.3182, 0.3431



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

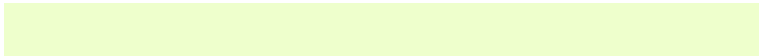


# Same Dimension

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



54.8829, 0.3289, 0.3720



94.1348, 0.3320, 0.3808



52.8665, 0.3155, 0.3738



12.2379, 0.3216, 0.3522



29.5959, 0.3637, 0.5494



1.4393, 0.3756, 0.5399



# Inverse Universe

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



40.8076, 0.2945, 0.2847



65.7073, 0.2905, 0.2753



42.8939, 0.3091, 0.2866



10.4518, 0.3032, 0.3055



3.4073, 0.1742, 0.0733



0.2008, 0.1982, 0.0865



# Previews

## White Background



This preview shows how the Yxy color 54.8805, 0.3289, 0.3720 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 54.8805, 0.3289, 0.3720 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

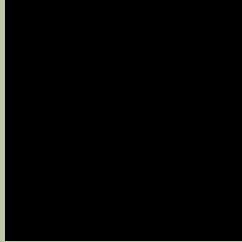
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

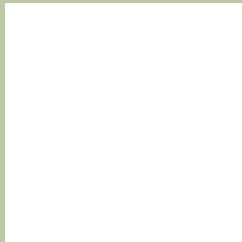
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 54.8805, 0.3289, 0.3720**

## **Background**



This preview shows how black text looks on a background with the Yxy color 54.8805, 0.3289, 0.3720.



This preview shows how white text looks on a background with the Yxy color 54.8805, 0.3289, 0.3720.

# 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

54.8805, 0.3289, 0.3720

### Protanopia

54.7964, 0.3464, 0.3680

### Deuteranopia

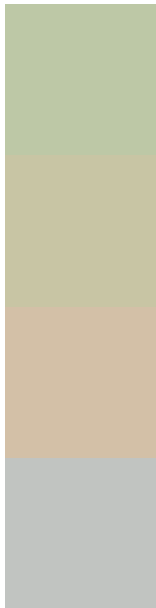
54.6409, 0.3597, 0.3523



## Tritanopia

54.7891, 0.3026, 0.3110

# Trichromacy



## Original Color

54.8805, 0.3289, 0.3720

## Protanomaly

54.8922, 0.3401, 0.3698

## Deuteranomaly

54.3382, 0.3482, 0.3591

## Tritanomaly

54.6676, 0.3125, 0.3327

# Monochromacy



## Original Color

54.8805, 0.3289, 0.3720

## Achromatopsia

53.3276, 0.3127, 0.3290

## Achromatomaly

54.1052, 0.3192, 0.3452

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 54.8805, 0.3289, 0.3720 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(189, 200, 166)` looks like.

```
.text, #text, p{  
    color:rgb(189, 200, 166)  
}
```

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(189, 200, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 200, 166) }
```

## Border

The CSS property to change the border of an element to Yxy 54.8805, 0.3289, 0.3720 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(189, 200, 166) }
```

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

```
.border{ border-color:rgb(189, 200, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 200, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 200, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 200, 166);  
box-shadow:4px 4px 4px 4px rgb(189, 200,  
166) }
```



# Background

The CSS property to change the background color of an element to Yxy 54.8805, 0.3289, 0.3720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 200, 166) }
```

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

```
.background{ background-color: rgb(189,  
200, 166) }
```

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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