

# Converting Colors

$Yxy(50.0851, 0.3646, 0.3893)$

Have a look what the booklet for  
Yxy(50.0851, 0.3646, 0.3893)  
contains.

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# Color

**Yxy(49.9613, 0.3645, 0.3893)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CABB8B
RGB	202, 187, 139
RGB Percent	79%, 73%, 55%
CMY	0.2080, 0.2666, 0.4550
CMYK	0.00, 0.07, 0.31, 0.21
HSL	46°, 37%, 67%
HSV	46°, 31%, 79%
XYZ	46.7786, 49.9613, 31.5964
YIQ	186.0130, 24.3480, -11.7480

# Conversions

## Conversions Part 2

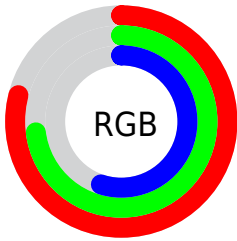
<b>Format</b>	<b>Color</b>
<b>RYB</b>	159, 202, 139
Decimal	13286283
CIELab	76.05, -1.98, 26.29
CIELCh	76, 26.363, 94.312
Yxy	49.9613, 0.3645, 0.3893
Android (android.graphics.Color)	4291476363 (0xFFCABB8B)
YUV	186.0130, -23.1774, 14.0206
Hunter-Lab	70.6833, -5.5636, 22.9749

# Details

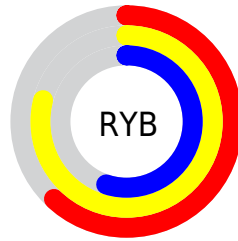
The Yxy color **49.9613, 0.3645, 0.3893** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **32.8355, 0.2604, 0.2603**, and the grayscale version is **49.2305, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.2114, 0.3522, 0.3789**, and **23.9578, 0.3786, 0.4064** is the 20% darker color. If you saturate the color by 10%, you get **47.4273, 0.3829, 0.4086**, and if you desaturate by 10%, it is **52.6767, 0.3467, 0.3695**.

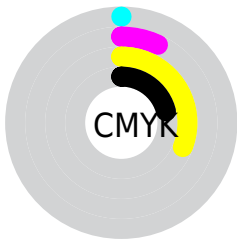
# Distribution



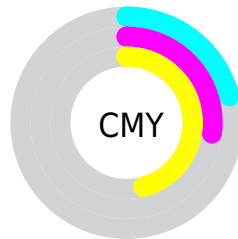
- Red (79%)
- Green (73%)
- Blue (55%)



- Red (62%)
- Yellow (79%)
- Blue (55%)



- Cyan (0%)
- Magenta (7%)
- Yellow (31%)
- Black (21%)




- Cyan (21%)
- Magenta (27%)
- Yellow (46%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 49.9613, 0.3645, 0.3893 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 49.9613, 0.3645, 0.3893 by changing the saturation by 10% instead.





 49.9613, 0.3645,  
0.3893


 49.9613, 0.3645,  
0.3893


386.5146, 0.3392,  
0.3596


 35.3826, 0.3705,  
0.3965


 90.1175, 0.3555,  
0.3787

 23.9578, 0.3781,  
0.4055


 116.4639, 0.3521,  
0.3746

 15.3023, 0.3878,  
0.4172


 147.5016, 0.3491,  
0.3712

 9.0318, 0.4006,  
0.4328

183.6151, 0.3466,  
0.3682

 4.7619, 0.4177,  
0.4542

225.1888, 0.3444,  
0.3656

 2.1083, 0.4654,  
0.5113

272.6070, 0.3425,

 0.6693, 0.4676,

0.3634

0.5324

326.2541, 0.3407,  
0.3614

0.0000, 0.0000,  
0.0000

49.9613, 0.3645,  
0.3893

49.9613, 0.3645,  
0.3893

47.4273, 0.3829,  
0.4086

52.6767, 0.3467,  
0.3695

45.0613, 0.4013,  
0.4267

55.5730, 0.3300,  
0.3500

42.8582, 0.4192,  
0.4424

58.6581, 0.3145,  
0.3312

40.8101, 0.4356,  
0.4547

61.9377, 0.3003,  
0.3134

38.9078, 0.4497,  
0.4628

65.4168, 0.2874,  
0.2967

■ 37.1406, 0.4610,  
0.4662

■ 68.7638, 0.2787,  
0.2865

■ 35.6780, 0.4689,  
0.4659

■ 71.2513, 0.2791,  
0.2918

■ 73.8110, 0.2794,  
0.2971

■ 76.4435, 0.2798,  
0.3024

# Harmonies

## Analogous

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



49.9613, 0.3827, 0.3698



49.9613, 0.3645, 0.3893



49.9613, 0.3328, 0.3926

# Triad

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



49.9613, 0.3645, 0.3893



49.9613, 0.2487, 0.3099



49.9613, 0.3258, 0.2879

# Complementary

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



49.9613, 0.3645, 0.3893



32.8355, 0.2604, 0.2603

# 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.



49.9613, 0.2898, 0.2730



49.9613, 0.3645, 0.3893



49.9613, 0.2470, 0.2837

# Square

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



49.9613, 0.3645, 0.3893



49.9613, 0.2665, 0.3444



49.9613, 0.2615, 0.2711



49.9613, 0.3600, 0.3124



# Rectangle

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



49.9613, 0.3645, 0.3893



49.9613, 0.3087, 0.3836



49.9613, 0.2615, 0.2711



49.9613, 0.3135, 0.2817

# Sweetspot

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



49.9636, 0.3645, 0.3893



95.1842, 0.3267, 0.3460



33.3684, 0.3652, 0.3087



20.2121, 0.3291, 0.3489



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.



49.9636, 0.3645, 0.3893



81.8817, 0.3761, 0.4016



54.5524, 0.3460, 0.4097



12.6280, 0.3271, 0.3466



23.1113, 0.4681, 0.4665



1.3042, 0.4567, 0.4756



# Inverse Universe

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



32.8355, 0.2604, 0.2603



48.6416, 0.2485, 0.2436



29.6638, 0.2715, 0.2415



11.2689, 0.2983, 0.3108



4.2163, 0.1577, 0.0875



0.3386, 0.1683, 0.1260



# Previews

## White Background



This preview shows how the Yxy color 49.9613, 0.3645, 0.3893 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

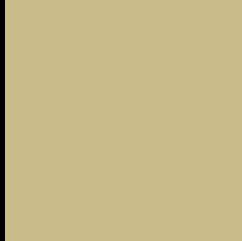
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 49.9613, 0.3645, 0.3893 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

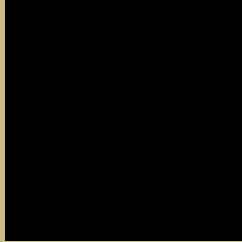
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

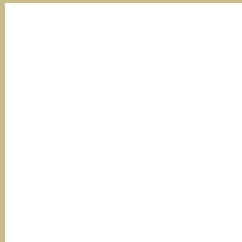
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 49.9613, 0.3645, 0.3893**

## Background



This preview shows how black text looks on a background with the Yxy color 49.9613, 0.3645, 0.3893.

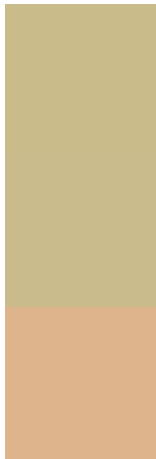


This preview shows how white text looks on a background with the Yxy color 49.9613, 0.3645, 0.3893.

# 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

49.9613, 0.3645, 0.3893

### Protanopia

49.8222, 0.3636, 0.3894

### Deuteranopia

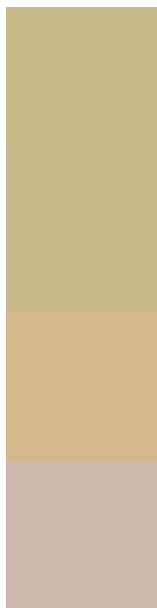
49.9081, 0.3838, 0.3765



## Tritanopia

49.9475, 0.3255, 0.3123

# Trichromacy



## Original Color

49.9613, 0.3645, 0.3893

## Protanomaly

49.8222, 0.3636, 0.3894

## Deuteranomaly

50.0566, 0.3762, 0.3812

## Tritanomaly

50.0448, 0.3400, 0.3401

# Monochromacy



## Original Color

49.9613, 0.3645, 0.3893

## Achromatopsia

49.1021, 0.3127, 0.3290

## Achromatomaly

49.1889, 0.3313, 0.3508

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 49.9613, 0.3645, 0.3893 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(202, 187, 139)` looks like.

```
.text, #text, p{  
    color:rgb(202, 187, 139)  
}
```

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(202, 187, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 187, 139) }
```

## Border

The CSS property to change the border of an element to Yxy 49.9613, 0.3645, 0.3893 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(202, 187, 139) }
```

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

```
.border{ border-color:rgb(202, 187, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 187, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 187, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 187, 139);  
box-shadow:4px 4px 4px 4px rgb(202, 187,  
139) }
```



# Background

The CSS property to change the background color of an element to Yxy 49.9613, 0.3645, 0.3893 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 187, 139) }
```

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

```
.background{ background-color: rgb(202,  
187, 139) }
```

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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