

# Converting Colors

$Yxy(49.4699, 0.3395, 0.3481)$

Have a look what the booklet for  
Yxy(49.4699, 0.3395, 0.3481)  
contains.

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# Color

**Yxy(49.5631, 0.3396, 0.3478)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C9B8A9
RGB	201, 184, 169
RGB Percent	79%, 72%, 66%
CMY	0.2116, 0.2784, 0.3373
CMYK	0.00, 0.08, 0.16, 0.21
HSL	28°, 23%, 73%
HSV	28°, 16%, 79%
XYZ	48.3946, 49.5631, 44.5469
YIQ	187.3730, 14.9470, -1.0610

# Conversions

## Conversions Part 2

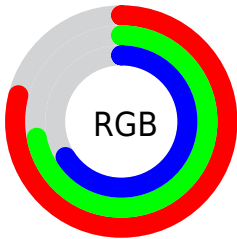
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	201, 197, 169
Decimal	13220009
CIE Lab	75.80, 3.57, 9.80
CIE LCh	76, 10.432, 69.993
Yxy	49.5631, 0.3396, 0.3478
Android (android.graphics.Color)	4291410089 (0xFFC9B8A9)
YUV	187.3730, -9.0579, 11.9509
Hunter-Lab	70.4011, -0.4988, 11.7644

# Details

The Yxy color  $49.5631, 0.3396, 0.3478$  is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be  $47.7812, 0.2880, 0.3094$ , and the grayscale version is  $49.9642, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $88.9620, 0.3328, 0.3448$ , and  $23.7200, 0.3473, 0.3527$  is the 20% darker color. If you saturate the color by 10%, you get  $44.5934, 0.3597, 0.3603$ , and if you desaturate by 10%, it is  $54.9889, 0.3220, 0.3358$ .

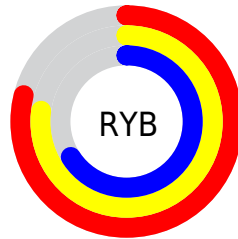
# Distribution



Red (79%)

Green (72%)

Blue (66%)



Red (79%)

Yellow (77%)

Blue (66%)

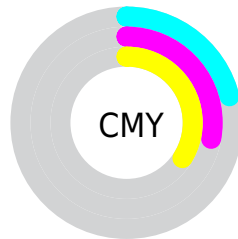


Cyan (0%)

Magenta (8%)

Yellow (16%)

Black (21%)



Cyan (21%)

Magenta (28%)


Yellow (34%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 49.5631, 0.3396, 0.3478 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 49.5631, 0.3396, 0.3478 by changing the saturation by 10% instead.





 49.5631, 0.3396,  
0.3478

 49.5631, 0.3396,  
0.3478


384.9549, 0.3262,  
0.3386

 35.0664, 0.3429,  
0.3500


 89.5272, 0.3348,  
0.3445

 23.7140, 0.3471,  
0.3529


115.7634, 0.3329,  
0.3432

 15.1216, 0.3527,  
0.3566


146.6815, 0.3314,  
0.3422

 8.9048, 0.3605,  
0.3617

182.6659, 0.3301,  
0.3413

 4.6791, 0.3719,  
0.3690

224.1011, 0.3289,  
0.3405

 2.0603, 0.3904,  
0.3803

271.3714, 0.3279,

 0.6421, 0.5153,

0.3398

0.4745

324.8612, 0.3270,  
0.3392

0.0000, 0.0000,  
0.0000

49.5631, 0.3396,  
0.3478

49.5631, 0.3396,  
0.3478

44.5934, 0.3597,  
0.3603

54.9889, 0.3220,  
0.3358

40.0604, 0.3825,  
0.3730

60.8761, 0.3068,  
0.3245

35.9531, 0.4078,  
0.3853

67.2387, 0.2936,  
0.3140

32.2574, 0.4353,  
0.3962

74.0877, 0.2821,  
0.3044

28.9581, 0.4641,  
0.4047

80.4639, 0.2798,  
0.3103

■ 26.0390, 0.4928,  
0.4095

■ 86.8541, 0.2806,  
0.3217

■ 23.4821, 0.5195,  
0.4094

■ 91.1618, 0.2811,  
0.3289

■ 21.2669, 0.5423,  
0.4039

■ 20.4534, 0.5509,  
0.4008

# Harmonies

## Analogous

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



49.5631, 0.3403, 0.3372



49.5631, 0.3396, 0.3478



49.5631, 0.3315, 0.3536

# Triad

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



49.5631, 0.3396, 0.3478



49.5631, 0.2923, 0.3328



49.5631, 0.3065, 0.3066

# Complementary

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



49.5631, 0.3396, 0.3478



47.7812, 0.2880, 0.3094

# 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.



49.5631, 0.2939, 0.3050



49.5631, 0.3396, 0.3478



49.5631, 0.2859, 0.3198

# Square

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



49.5631, 0.3396, 0.3478



49.5631, 0.3042, 0.3450



49.5631, 0.2865, 0.3097



49.5631, 0.3209, 0.3138



# Rectangle

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



49.5631, 0.3396, 0.3478



49.5631, 0.3232, 0.3538



49.5631, 0.2865, 0.3097



49.5631, 0.3019, 0.3054

# Sweetspot

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



49.5653, 0.3396, 0.3478



94.9567, 0.3206, 0.3348



44.3429, 0.3273, 0.3078



20.1764, 0.3218, 0.3356



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

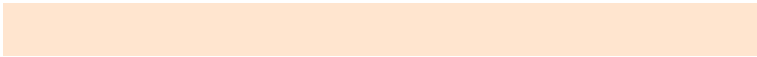


# Same Dimension

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



49.5653, 0.3396, 0.3478



81.9147, 0.3460, 0.3519



56.5773, 0.3366, 0.3669



11.4422, 0.3278, 0.3398



13.0360, 0.5485, 0.4026



0.7619, 0.5148, 0.4295



# Inverse Universe

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



47.7812, 0.2880, 0.3094



78.3084, 0.2827, 0.3049



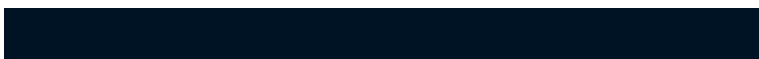
41.4241, 0.2871, 0.2880



11.2055, 0.2983, 0.3179



9.4307, 0.1806, 0.1700



0.5906, 0.1906, 0.2060



# Previews

## White Background



This preview shows how the Yxy color 49.5631, 0.3396, 0.3478 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

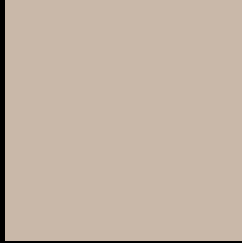
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 49.5631, 0.3396, 0.3478 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

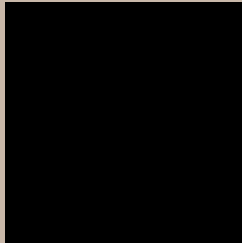
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

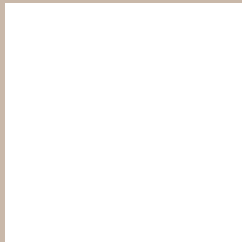
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 49.5631, 0.3396, 0.3478**

## Background



This preview shows how black text looks on a background with the Yxy color 49.5631, 0.3396, 0.3478.



This preview shows how white text looks on a background with the Yxy color 49.5631, 0.3396, 0.3478.

# 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

49.5631, 0.3396, 0.3478

### Protanopia

49.4894, 0.3322, 0.3494

### Deuteranopia

49.3937, 0.3485, 0.3413



## Tritanopia

49.3749, 0.3221, 0.3121

# Trichromacy



## Original Color

49.5631, 0.3396, 0.3478

## Protanomaly

49.4705, 0.3350, 0.3480

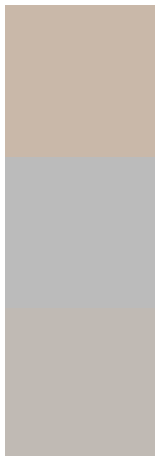
## Deuteranomaly

49.2154, 0.3447, 0.3426

## Tritanomaly

49.2470, 0.3285, 0.3241

# Monochromacy



## Original Color

49.5631, 0.3396, 0.3478

## Achromatopsia

49.6933, 0.3127, 0.3290

## Achromatomaly

49.6196, 0.3225, 0.3366

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 49.5631, 0.3396, 0.3478 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(201, 184, 169)` looks like.

```
.text, #text, p{  
    color:rgb(201, 184, 169)  
}
```

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(201, 184, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 184, 169) }
```

## Border

The CSS property to change the border of an element to Yxy 49.5631, 0.3396, 0.3478 is called "border". The border property can be set on classes, ids or directly on the HTML element.

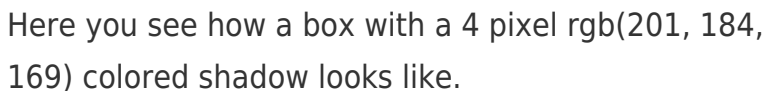
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(201, 184, 169) }
```

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

```
.border{ border-color:rgb(201, 184, 169) }
```

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



Here you see how a box with a 4 pixel `rgb(201, 184, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(201, 184, 169); -webkit-box-shadow:4px 4px 4px 4px rgb(201, 184, 169); box-shadow:4px 4px 4px 4px rgb(201, 184, 169) }
```



# Background

The CSS property to change the background color of an element to Yxy 49.5631, 0.3396, 0.3478 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 184, 169) }
```

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

```
.background{ background-color: rgb(201,  
184, 169) }
```

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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