

# Converting Colors

$Yxy(49.0109, 0.3389, 0.3466)$

Have a look what the booklet for  
Yxy(49.0109, 0.3389, 0.3466)  
contains.

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# Color

**Yxy(49.0109, 0.3389, 0.3466)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C8B7A9
RGB	200, 183, 169
RGB Percent	78%, 72%, 66%
CMY	0.2155, 0.2824, 0.3372
CMYK	0.00, 0.09, 0.16, 0.22
HSL	27°, 22%, 72%
HSV	27°, 16%, 78%
XYZ	47.9221, 49.0109, 44.4718
YIQ	186.4870, 14.6260, -0.7500

# Conversions

## Conversions Part 2

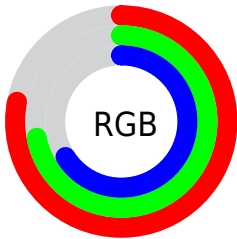
Format	Color
RYP	200, 195, 169
Decimal	13154217
CIELab	75.46, 3.74, 9.30
CIElCh	75, 10.021, 68.081
Yxy	49.0109, 0.3389, 0.3466
Android (android.graphics.Color)	4291344297 (0xFFC8B7A9)
YUV	186.4870, -8.6211, 11.8509
Hunter-Lab	70.0078, -0.3259, 11.3420

# Details

The Yxy color **49.0109, 0.3389, 0.3466** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **47.7467, 0.2887, 0.3107**, and the grayscale version is **49.4370, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.3748, 0.3329, 0.3439**, and **23.3606, 0.3464, 0.3511** is the 20% darker color. If you saturate the color by 10%, you get **43.9613, 0.3590, 0.3587**, and if you desaturate by 10%, it is **54.5337, 0.3214, 0.3351**.

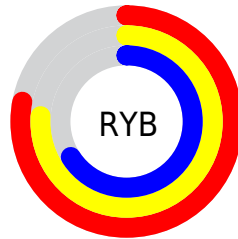
# Distribution



Red (78%)

Green (72%)

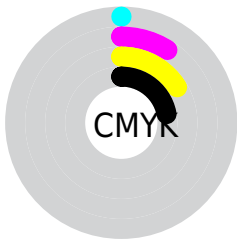
Blue (66%)



Red (78%)

Yellow (76%)

Blue (66%)

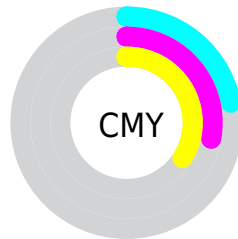


Cyan (0%)

Magenta (9%)

Yellow (16%)

Black (22%)



Cyan (22%)

Magenta (28%)


Yellow (34%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 49.0109, 0.3389, 0.3466 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 49.0109, 0.3389, 0.3466 by changing the saturation by 10% instead.





 49.0109, 0.3389,  
0.3466

 49.0109, 0.3389,  
0.3466


382.7852, 0.3259,  
0.3380

 34.6281, 0.3421,  
0.3487


 88.7076, 0.3342,  
0.3435

 23.3766, 0.3463,  
0.3514


114.7904, 0.3324,  
0.3423

 14.8718, 0.3518,  
0.3549


145.5419, 0.3309,  
0.3413

 8.7295, 0.3594,  
0.3596

181.3467, 0.3296,  
0.3405

 4.5651, 0.3707,  
0.3665

222.5890, 0.3285,  
0.3397

 1.9945, 0.3891,  
0.3773

269.6532, 0.3275,

 0.6042, 0.5209,

0.3391

0.4729

322.9238, 0.3266,  
0.3385

0.0000, 0.0000,  
0.0000

49.0109, 0.3389,  
0.3466

49.0109, 0.3389,  
0.3466

43.9613, 0.3590,  
0.3587

54.5337, 0.3214,  
0.3351

39.3650, 0.3820,  
0.3709

60.5359, 0.3062,  
0.3242

35.2105, 0.4076,  
0.3827

67.0316, 0.2931,  
0.3142

31.4828, 0.4357,  
0.3933

74.0326, 0.2817,  
0.3050

28.1663, 0.4652,  
0.4016

80.6136, 0.2792,  
0.3108

■ 25.2440, 0.4948,  
0.4062

■ 87.2059, 0.2801,  
0.3225

■ 22.6973, 0.5225,  
0.4059

■ 91.0247, 0.2805,  
0.3289

■ 20.5049, 0.5462,  
0.4003

■ 19.6242, 0.5560,  
0.3968

# Harmonies

## Analogous

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



49.0109, 0.3391, 0.3362



49.0109, 0.3389, 0.3466



49.0109, 0.3315, 0.3526

# Triad

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



49.0109, 0.3389, 0.3466



49.0109, 0.2936, 0.3335



49.0109, 0.3058, 0.3071

# Complementary

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



49.0109, 0.3389, 0.3466



47.7467, 0.2887, 0.3107

# 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.



49.0109, 0.2939, 0.3060



49.0109, 0.3389, 0.3466



49.0109, 0.2870, 0.3209

# Square

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



49.0109, 0.3389, 0.3466



49.0109, 0.3053, 0.3451



49.0109, 0.2872, 0.3109



49.0109, 0.3198, 0.3137



# Rectangle

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



49.0109, 0.3389, 0.3466



49.0109, 0.3237, 0.3530



49.0109, 0.2872, 0.3109



49.0109, 0.3015, 0.3061

# Sweetspot

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



49.0131, 0.3389, 0.3466



94.8186, 0.3206, 0.3346



44.2105, 0.3264, 0.3078



20.1429, 0.3218, 0.3354



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

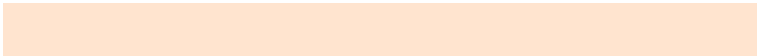


# Same Dimension

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



49.0131, 0.3389, 0.3466



81.4431, 0.3462, 0.3511



55.7606, 0.3360, 0.3653



11.4110, 0.3278, 0.3394



12.6463, 0.5536, 0.3986



0.7430, 0.5187, 0.4264

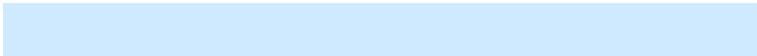


# Inverse Universe

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



47.7467, 0.2887, 0.3107



78.7907, 0.2828, 0.3059



41.5658, 0.2879, 0.2900



11.2370, 0.2983, 0.3183



9.9038, 0.1822, 0.1760



0.6122, 0.1919, 0.2109



# Previews

## White Background



This preview shows how the Yxy color 49.0109, 0.3389, 0.3466 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

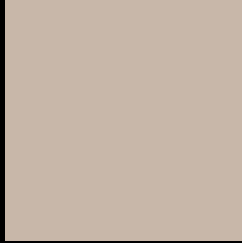
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 49.0109, 0.3389, 0.3466 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

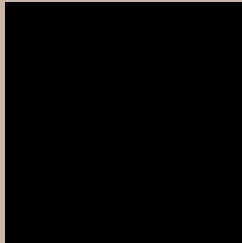
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 49.0109, 0.3389, 0.3466**

## **Background**



This preview shows how black text looks on a background with the Yxy color 49.0109, 0.3389, 0.3466.



This preview shows how white text looks on a background with the Yxy color 49.0109, 0.3389, 0.3466.

# 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

49.0109, 0.3389, 0.3466

### Protanopia

48.9377, 0.3315, 0.3482

### Deuteranopia

48.8441, 0.3478, 0.3401



## Tritanopia

48.7870, 0.3221, 0.3120

# Trichromacy



## Original Color

49.0109, 0.3389, 0.3466

## Protanomaly

48.9190, 0.3343, 0.3468

## Deuteranomaly

48.6666, 0.3440, 0.3414

## Tritanomaly

48.6598, 0.3286, 0.3241

# Monochromacy



## Original Color

49.0109, 0.3389, 0.3466

## Achromatopsia

49.1021, 0.3127, 0.3290

## Achromatomaly

49.0696, 0.3217, 0.3354

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 49.0109, 0.3389, 0.3466 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(200, 183, 169)` looks like.

```
.text, #text, p{  
    color:rgb(200, 183, 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(200, 183, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 183, 169) }
```

## Border

The CSS property to change the border of an element to Yxy 49.0109, 0.3389, 0.3466 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(200, 183, 169) }
```

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

```
.border{ border-color:rgb(200, 183, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 183, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 183, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 183, 169);  
box-shadow:4px 4px 4px 4px rgb(200, 183,  
169) }
```



# Background

The CSS property to change the background color of an element to Yxy 49.0109, 0.3389, 0.3466 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 183, 169) }
```

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

```
.background{ background-color: rgb(200,  
183, 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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