

# Converting Colors

$Yxy(39.5331, 0.3756, 0.3577)$

Have a look what the booklet for  
Yxy(39.5331, 0.3756, 0.3577)  
contains.

<b>Yxy(39.5331, 0.3756, 0.3577)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(39.5331, 0.3756, 0.3577)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CAA08A
RGB	202, 160, 138
RGB Percent	79%, 63%, 54%
CMY	0.2079, 0.3725, 0.4589
CMYK	0.00, 0.21, 0.32, 0.21
HSL	21°, 38%, 67%
HSV	21°, 32%, 79%
XYZ	41.5114, 39.5331, 29.4758
YIQ	170.0500, 32.0940, 2.0620

# Conversions

## Conversions Part 2

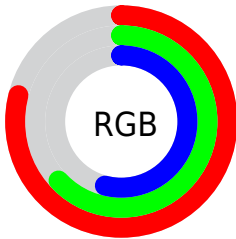
Format	Color
R <sub>Y</sub> B	202, 172, 138
Decimal	13279370
CIE Lab	69.14, 12.39, 17.41
CIE LCh	69, 21.366, 54.553
Yxy	39.5331, 0.3756, 0.3577
Android (android.graphics.Color)	4291469450 (0xFFCAA08A)
YUV	170.0500, -15.8006, 28.0202
Hunter-Lab	62.8754, 7.8170, 16.2178

# Details

The Yxy color **39.5331, 0.3756, 0.3577** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **42.2860, 0.2641, 0.2982**, and the grayscale version is **40.2925, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.6225, 0.3601, 0.3538**, and **17.6327, 0.3957, 0.3642** is the 20% darker color. If you saturate the color by 10%, you get **34.6528, 0.4026, 0.3670**, and if you desaturate by 10%, it is **45.0151, 0.3523, 0.3482**.

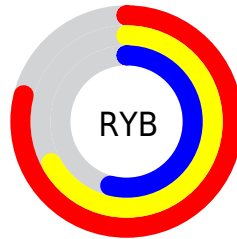
# Distribution



Red (79%)

Green (63%)

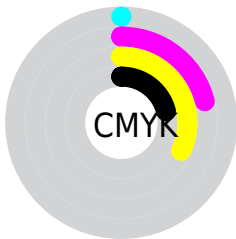
Blue (54%)



Red (79%)

Yellow (67%)

Blue (54%)

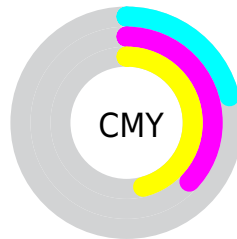


Cyan (0%)

Magenta (21%)

Yellow (32%)

Black (21%)



Cyan (21%)

Magenta (37%)


Yellow (46%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 39.5331, 0.3756, 0.3577 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 39.5331, 0.3756, 0.3577 by changing the saturation by 10% instead.





 39.5331, 0.3756,  
0.3577


 39.5331, 0.3756,  
0.3577


344.1517, 0.3431,  
0.3437

 27.1747, 0.3840,  
0.3610


 74.4520, 0.3635,  
0.3527

 17.7045, 0.3950,  
0.3651


 97.7813, 0.3591,  
0.3508

 10.7380, 0.4099,  
0.3703


 125.5364, 0.3553,  
0.3492

 5.8910, 0.4311,  
0.3769

158.1016, 0.3521,  
0.3478

 2.7789, 0.4633,  
0.3850

195.8613, 0.3494,  
0.3466

 1.0174, 0.5681,  
0.4319

239.2000, 0.3470,

 0.0000, 1.0000,

0.3455

0.0000

288.5020, 0.3449,  
0.3446

■ 0.0000, 0.0000,  
0.0000

■ 39.5331, 0.3756,  
0.3577

■ 39.5331, 0.3756,  
0.3577

■ 34.6528, 0.4026,  
0.3670

■ 45.0151, 0.3523,  
0.3482

■ 30.3475, 0.4331,  
0.3755

■ 51.1135, 0.3323,  
0.3391

■ 26.5962, 0.4666,  
0.3823


■ 57.8493, 0.3153,  
0.3304


■ 23.3747, 0.5015,  
0.3861


■ 65.2407, 0.3009,  
0.3224

■ 20.6565, 0.5354,  
0.3857


■ 73.3054, 0.2887,  
0.3150

 18.4123, 0.5652,  
0.3804

 81.7890, 0.2805,  
0.3125

 16.8786, 0.5859,  
0.3730

 89.8512, 0.2814,  
0.3265

 91.2951, 0.2816,  
0.3289

# Harmonies

## Analogous

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



39.5331, 0.3683, 0.3319



39.5331, 0.3756, 0.3577



39.5331, 0.3650, 0.3778

# Triad

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



39.5331, 0.3756, 0.3577



39.5331, 0.2799, 0.3522



39.5331, 0.2835, 0.2776

# Complementary

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



39.5331, 0.3756, 0.3577



42.2860, 0.2641, 0.2982

# 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.



39.5331, 0.2619, 0.2802



39.5331, 0.3756, 0.3577



39.5331, 0.2599, 0.3220

# Square

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



39.5331, 0.3756, 0.3577



39.5331, 0.3092, 0.3763



39.5331, 0.2536, 0.2957



39.5331, 0.3138, 0.2873



# Rectangle

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



39.5331, 0.3756, 0.3577



39.5331, 0.3498, 0.3847



39.5331, 0.2536, 0.2957



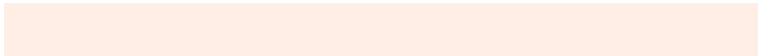
39.5331, 0.2750, 0.2770

# Sweetspot

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



39.5349, 0.3756, 0.3577



88.2571, 0.3295, 0.3377



34.0454, 0.3375, 0.2753



18.5567, 0.3321, 0.3390



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.



39.5349, 0.3756, 0.3577



61.1956, 0.3936, 0.3641



51.7904, 0.3638, 0.3955



11.8347, 0.3282, 0.3370



11.0129, 0.5835, 0.3749



0.7090, 0.5455, 0.4051



# Inverse Universe

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



42.2860, 0.2641, 0.2982



66.5495, 0.2540, 0.2904



31.0457, 0.2586, 0.2523



12.0513, 0.2983, 0.3208



13.6137, 0.1926, 0.2132



0.8403, 0.1996, 0.2385



# Previews

## White Background



This preview shows how the Yxy color 39.5331, 0.3756, 0.3577 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

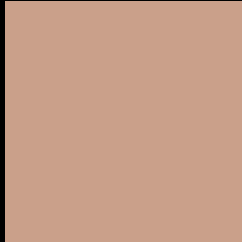
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 39.5331, 0.3756, 0.3577 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

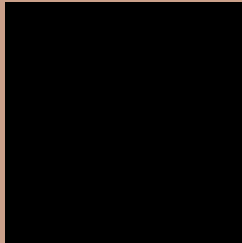
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 39.5331, 0.3756, 0.3577**

## **Background**



This preview shows how black text looks on a background with the Yxy color 39.5331, 0.3756, 0.3577.



This preview shows how white text looks on a background with the Yxy color 39.5331, 0.3756, 0.3577.

# 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

39.5331, 0.3756, 0.3577

### Protanopia

39.7939, 0.3449, 0.3667

### Deuteranopia

39.4114, 0.3688, 0.3609



## Tritanopia

39.5832, 0.3501, 0.3140

# Trichromacy



**Original Color**

39.5331, 0.3756, 0.3577

**Protanomaly**

39.7603, 0.3555, 0.3630

**Deuteranomaly**

39.3305, 0.3711, 0.3594

**Tritanomaly**

39.3856, 0.3597, 0.3291

# Monochromacy



**Original Color**

39.5331, 0.3756, 0.3577

**Achromatopsia**

40.1978, 0.3127, 0.3290

**Achromatomaly**

39.6861, 0.3349, 0.3400

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 39.5331, 0.3756, 0.3577 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, 160, 138)` looks like.

```
.text, #text, p{  
    color:rgb(202, 160, 138)  
}
```

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, 160, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 160, 138) }
```

## Border

The CSS property to change the border of an element to Yxy 39.5331, 0.3756, 0.3577 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, 160, 138) }
```

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

```
.border{ border-color:rgb(202, 160, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 160, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 160, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 160, 138);  
box-shadow:4px 4px 4px 4px rgb(202, 160,  
138) }
```



# Background

The CSS property to change the background color of an element to Yxy 39.5331, 0.3756, 0.3577 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 160, 138) }
```

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

```
.background{ background-color: rgb(202,  
160, 138) }
```

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