

# Converting Colors

$Yxy(36.9909, 0.3912, 0.3686)$

Have a look what the booklet for  
Yxy(36.9909, 0.3912, 0.3686)  
contains.

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# Color

**Yxy(36.9839, 0.3912, 0.3684)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C99A7C
RGB	201, 154, 124
RGB Percent	79%, 60%, 49%
CMY	0.2119, 0.3960, 0.5138
CMYK	0.00, 0.23, 0.38, 0.21
HSL	23°, 42%, 64%
HSV	23°, 38%, 79%
XYZ	39.2728, 36.9839, 24.1339
YIQ	164.6330, 37.6420, 0.6340

# Conversions

## Conversions Part 2

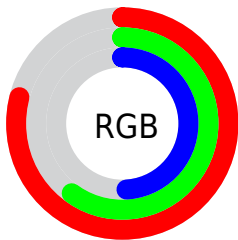
<b>Format</b>	<b>Color</b>
RYB	201, 173, 124
Decimal	13212284
CIELab	67.26, 13.51, 22.52
CIElCh	67, 26.264, 59.045
Yxy	36.9839, 0.3912, 0.3684
Android (android.graphics.Color)	4291402364 (0xFFC99A7C)
YUV	164.6330, -20.0321, 31.8939
Hunter-Lab	60.8144, 8.8468, 19.0411

# Details

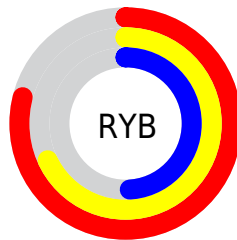
The Yxy color **36.9839, 0.3912, 0.3684** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **37.5989, 0.2535, 0.2854**, and the grayscale version is **37.5256, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.5461, 0.3726, 0.3612**, and **16.2282, 0.4151, 0.3785** is the 20% darker color. If you saturate the color by 10%, you get **32.6862, 0.4193, 0.3785**, and if you desaturate by 10%, it is **41.8018, 0.3664, 0.3578**.

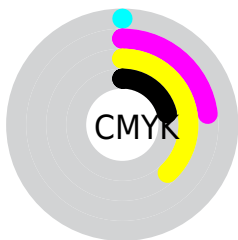
# Distribution



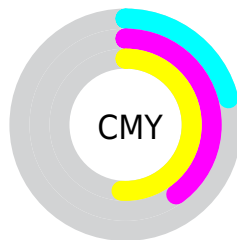
- Red (79%)
- Green (60%)
- Blue (49%)



- Red (79%)
- Yellow (68%)
- Blue (49%)



- Cyan (0%)
- Magenta (23%)
- Yellow (38%)
- Black (21%)



- Cyan (21%)
- Magenta (40%)
- Yellow (51%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 36.9839, 0.3912, 0.3684 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 36.9839, 0.3912, 0.3684 by changing the saturation by 10% instead.




 36.9839, 0.3912,  
0.3684


 36.9839, 0.3912,  
0.3684


333.2408, 0.3502,  
0.3492


 25.1950, 0.4019,  
0.3729


 70.5480, 0.3760,  
0.3616

 16.2224, 0.4158,  
0.3784

 93.0921, 0.3703,  
0.3590

 9.6817, 0.4346,  
0.3851


 119.9899, 0.3656,  
0.3568

 5.1884, 0.4611,  
0.3933

151.6261, 0.3616,  
0.3548

 2.3582, 0.5062,  
0.4065

188.3848, 0.3582,  
0.3532

 0.8043, 0.5821,  
0.4179

230.6506, 0.3552,

 0.0000, 1.0000,

0.3517

0.0000

278.8078, 0.3526,  
0.3504

■ 0.0000, 0.0000,  
0.0000

■ 36.9839, 0.3912,  
0.3684

■ 36.9839, 0.3912,  
0.3684

■ 32.6862, 0.4193,  
0.3785

■ 41.8018, 0.3664,  
0.3578

■ 28.8847, 0.4501,  
0.3871

■ 47.1523, 0.3447,  
0.3472

■ 25.5613, 0.4826,  
0.3931


■ 53.0537, 0.3261,  
0.3370


■ 22.6944, 0.5149,  
0.3951


■ 59.5221, 0.3102,  
0.3274


■ 20.2602, 0.5446,  
0.3922

■ 66.5726, 0.2965,  
0.3186


 18.2291, 0.5694,  
0.3844

 74.2199, 0.2849,  
0.3104

 17.9192, 0.5734,  
0.3829

 81.8399, 0.2799,  
0.3128

 89.2933, 0.2808,  
0.3258

 91.1521, 0.2810,  
0.3289

# Harmonies

## Analogous

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



36.9839, 0.3856, 0.3369



36.9839, 0.3912, 0.3684



36.9839, 0.3744, 0.3925

# Triad

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



36.9839, 0.3912, 0.3684



36.9839, 0.2669, 0.3527



36.9839, 0.2811, 0.2663

# Complementary

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



36.9839, 0.3912, 0.3684



37.5989, 0.2535, 0.2854

# 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.



36.9839, 0.2526, 0.2667



36.9839, 0.3912, 0.3684



36.9839, 0.2447, 0.3140

# Square

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



36.9839, 0.3912, 0.3684



36.9839, 0.3019, 0.3858



36.9839, 0.2398, 0.2830



36.9839, 0.3198, 0.2804



# Rectangle

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



36.9839, 0.3912, 0.3684



36.9839, 0.3536, 0.4000



36.9839, 0.2398, 0.2830



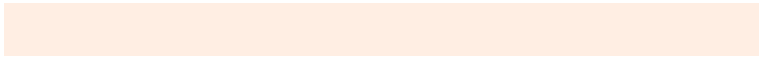
36.9839, 0.2701, 0.2647

# Sweetspot

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



36.9857, 0.3912, 0.3684



87.8908, 0.3311, 0.3398



29.7828, 0.3487, 0.2685



18.5107, 0.3336, 0.3412



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.



36.9857, 0.3912, 0.3684



57.1462, 0.4144, 0.3769



51.5583, 0.3734, 0.4135



11.3044, 0.3280, 0.3381



11.4380, 0.5708, 0.3850



0.6819, 0.5322, 0.4156



# Inverse Universe

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



37.5989, 0.2535, 0.2854



58.3132, 0.2412, 0.2740



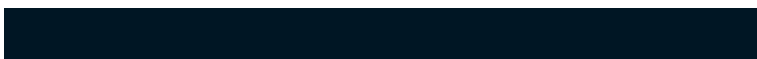
25.2666, 0.2450, 0.2273



11.3459, 0.2984, 0.3198



11.6749, 0.1881, 0.1971



0.6907, 0.1966, 0.2276



# Previews

## White Background



This preview shows how the Yxy color 36.9839, 0.3912, 0.3684 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

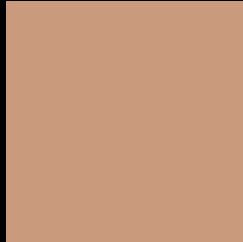
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 36.9839, 0.3912, 0.3684 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

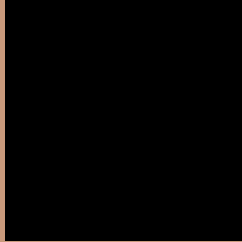
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 36.9839, 0.3912, 0.3684**

## Background



This preview shows how black text looks on a background with the Yxy color 36.9839, 0.3912, 0.3684.



This preview shows how white text looks on a background with the Yxy color 36.9839, 0.3912, 0.3684.

# 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

36.9839, 0.3912, 0.3684

### Protanopia

37.2234, 0.3562, 0.3804

### Deuteranopia

36.8815, 0.3824, 0.3749



## Tritanopia

37.0121, 0.3599, 0.3151

# Trichromacy



## Original Color

36.9839, 0.3912, 0.3684

## Protanomaly

36.8643, 0.3679, 0.3749

## Deuteranomaly

36.9428, 0.3860, 0.3731

## Tritanomaly

37.0772, 0.3718, 0.3343

# Monochromacy



## Original Color

36.9839, 0.3912, 0.3684

## Achromatopsia

37.6262, 0.3127, 0.3290

## Achromatomaly

37.1567, 0.3394, 0.3445

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 36.9839, 0.3912, 0.3684 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, 154, 124)` looks like.

```
.text, #text, p{  
    color:rgb(201, 154, 124)  
}
```

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, 154, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 154, 124) }
```

## Border

The CSS property to change the border of an element to Yxy 36.9839, 0.3912, 0.3684 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, 154, 124) }
```

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

```
.border{ border-color:rgb(201, 154, 124) }
```

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

Here you see how a box with a 4 pixel rgb(201, 154, 124) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 154, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 154, 124);  
box-shadow:4px 4px 4px 4px rgb(201, 154,  
124) }
```



# Background

The CSS property to change the background color of an element to Yxy 36.9839, 0.3912, 0.3684 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 154, 124) }
```

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

```
.background{ background-color: rgb(201,  
154, 124) }
```

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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