

# Converting Colors

$Y_{xy}(37.8425, 0.3904, 0.3732)$

Have a look what the booklet for  
Yxy(37.8425, 0.3904, 0.3732)  
contains.

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# Color

**Yxy(37.9615, 0.3907, 0.3734)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C99D7B
RGB	201, 157, 123
RGB Percent	79%, 62%, 48%
CMY	0.2118, 0.3843, 0.5175
CMYK	0.00, 0.22, 0.39, 0.21
HSL	26°, 42%, 64%
HSV	26°, 39%, 79%
XYZ	39.7203, 37.9615, 23.9826
YIQ	166.2800, 37.1380, -1.2460

# Conversions

## Conversions Part 2

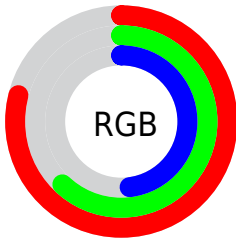
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	201, 183, 123
Decimal	13213051
CIE <sub>Lab</sub>	67.99, 11.78, 24.03
CIE <sub>LCh</sub>	68, 26.764, 63.879
Yxy	37.9615, 0.3907, 0.3734
Android (android.graphics.Color)	4291403131 (0xFFC99D7B)
YUV	166.2800, -21.3370, 30.4494
Hunter-Lab	61.6129, 7.2519, 20.0506

# Details

The Yxy color **37.9615, 0.3907, 0.3734** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **36.0762, 0.2520, 0.2794**, and the grayscale version is **38.3694, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.4816, 0.3721, 0.3663**, and **16.8222, 0.4138, 0.3853** is the 20% darker color. If you saturate the color by 10%, you get **33.8490, 0.4176, 0.3846**, and if you desaturate by 10%, it is **42.5372, 0.3666, 0.3616**.

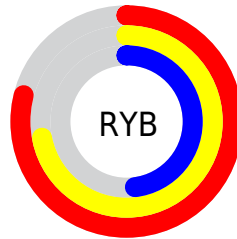
# Distribution



Red (79%)

Green (62%)

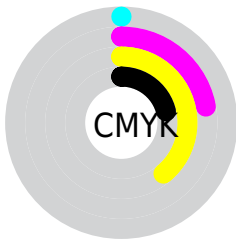
Blue (48%)



Red (79%)

Yellow (72%)

Blue (48%)

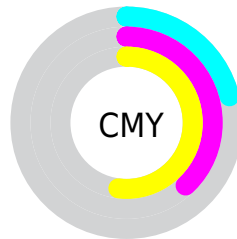


Cyan (0%)

Magenta (22%)

Yellow (39%)

Black (21%)



Cyan (21%)

Magenta (38%)


Yellow (52%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 37.9615, 0.3907, 0.3734 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 37.9615, 0.3907, 0.3734 by changing the saturation by 10% instead.





 37.9615, 0.3907,  
0.3734

 37.9615, 0.3907,  
0.3734


337.4548, 0.3503,  
0.3517

 25.9528, 0.4011,  
0.3785


 72.0491, 0.3757,  
0.3657

 16.7883, 0.4147,  
0.3848


 94.8968, 0.3702,  
0.3627

 10.0837, 0.4328,  
0.3926


 122.1264, 0.3655,  
0.3602

 5.4545, 0.4581,  
0.4022

154.1221, 0.3616,  
0.3580

 2.5163, 0.5009,  
0.4179

191.2684, 0.3581,  
0.3561

 0.8848, 0.5678,  
0.4322

233.9497, 0.3552,

 0.0000, 1.0000,

0.3545

0.0000

282.5503, 0.3526,  
0.3530

0.0000, 0.0000,  
0.0000

37.9615, 0.3907,  
0.3734

37.9615, 0.3907,  
0.3734

33.8490, 0.4176,  
0.3846

42.5372, 0.3666,  
0.3616

30.1782, 0.4468,  
0.3942

47.5859, 0.3453,  
0.3498

26.9340, 0.4773,  
0.4010


53.1236, 0.3269,  
0.3385


24.0976, 0.5073,  
0.4038

59.1641, 0.3109,  
0.3277


21.6486, 0.5346,  
0.4015


65.7203, 0.2971,  
0.3178


 19.5599, 0.5577,  
0.3942

 72.8048, 0.2853,  
0.3086

 19.3282, 0.5604,  
0.3933

 79.8548, 0.2797,  
0.3091

 86.6088, 0.2805,  
0.3213

 91.1570, 0.2811,  
0.3289

# Harmonies

## Analogous

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



37.9615, 0.3889, 0.3422



37.9615, 0.3907, 0.3734



37.9615, 0.3705, 0.3957

# Triad

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



37.9615, 0.3907, 0.3734



37.9615, 0.2618, 0.3466



37.9615, 0.2866, 0.2671

# Complementary

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



37.9615, 0.3907, 0.3734



36.0762, 0.2520, 0.2794

# 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.



37.9615, 0.2557, 0.2650



37.9615, 0.3907, 0.3734



37.9615, 0.2421, 0.3080

# Square

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



37.9615, 0.3907, 0.3734



37.9615, 0.2955, 0.3820



37.9615, 0.2400, 0.2788



37.9615, 0.3266, 0.2833



# Rectangle

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



37.9615, 0.3907, 0.3734



37.9615, 0.3481, 0.4012



37.9615, 0.2400, 0.2788



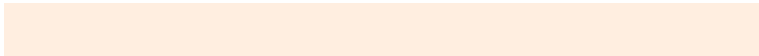
37.9615, 0.2749, 0.2647

# Sweetspot

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



37.9633, 0.3907, 0.3734



87.6577, 0.3328, 0.3422



29.3886, 0.3538, 0.2724



18.4913, 0.3352, 0.3437



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.



37.9633, 0.3907, 0.3734



58.7131, 0.4145, 0.3834



53.2369, 0.3725, 0.4188



11.3846, 0.3279, 0.3391



12.3286, 0.5579, 0.3952



0.7273, 0.5220, 0.4237

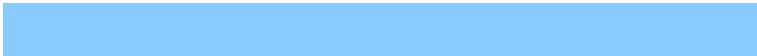


# Inverse Universe

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



36.0762, 0.2520, 0.2794



54.9894, 0.2385, 0.2657



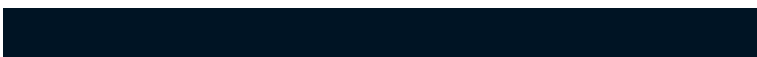
23.9284, 0.2431, 0.2198



11.2638, 0.2983, 0.3187



10.3208, 0.1837, 0.1812



0.6310, 0.1931, 0.2150



# Previews

## White Background



This preview shows how the Yxy color 37.9615, 0.3907, 0.3734 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 37.9615, 0.3907, 0.3734 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

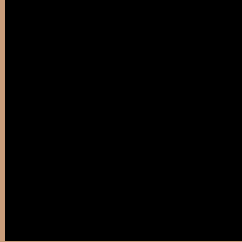
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 37.9615, 0.3907, 0.3734**

## Background



This preview shows how black text looks on a background with the Yxy color 37.9615, 0.3907, 0.3734.



This preview shows how white text looks on a background with the Yxy color 37.9615, 0.3907, 0.3734.

# 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

37.9615, 0.3907, 0.3734

### Protanopia

38.1519, 0.3584, 0.3841

### Deuteranopia

37.9621, 0.3846, 0.3769



## Tritanopia

38.0800, 0.3560, 0.3152

# Trichromacy



**Original Color**

37.9615, 0.3907, 0.3734

**Protanomaly**

38.1398, 0.3697, 0.3799

**Deuteranomaly**

37.8895, 0.3871, 0.3752

**Tritanomaly**

38.0867, 0.3698, 0.3369

# Monochromacy



**Original Color**

37.9615, 0.3907, 0.3734

**Achromatopsia**

38.1326, 0.3127, 0.3290

**Achromatomaly**

37.9801, 0.3400, 0.3472

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 37.9615, 0.3907, 0.3734 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, 157, 123)` looks like.

```
.text, #text, p{  
    color:rgb(201, 157, 123)  
}
```

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, 157, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 157, 123) }
```

## Border

The CSS property to change the border of an element to Yxy 37.9615, 0.3907, 0.3734 is called "border". The border property can be set on classes, ids or directly on the HTML element.

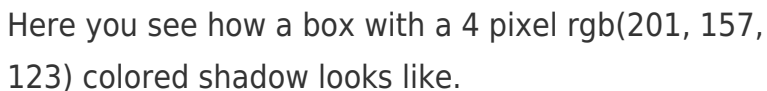
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(201, 157, 123) }
```

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

```
.border{ border-color:rgb(201, 157, 123) }
```

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



Here you see how a box with a 4 pixel `rgb(201, 157, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 157, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 157, 123);  
box-shadow:4px 4px 4px 4px rgb(201, 157,  
123) }
```



# Background

The CSS property to change the background color of an element to Yxy 37.9615, 0.3907, 0.3734 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 157, 123) }
```

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

```
.background{ background-color: rgb(201,  
157, 123) }
```

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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