

# Converting Colors

$Yxy(37.9905, 0.4163, 0.3789)$

Have a look what the booklet for  
Yxy(37.9905, 0.4163, 0.3789)  
contains.

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# Color

**Yxy(38.0985, 0.4162, 0.3797)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D59970
RGB	213, 153, 112
RGB Percent	84%, 60%, 44%
CMY	0.1646, 0.4000, 0.5608
CMYK	0.00, 0.28, 0.47, 0.16
HSL	24°, 55%, 64%
HSV	24°, 47%, 84%
XYZ	41.7609, 38.0985, 20.4791
YIQ	166.2660, 48.9210, -0.0310

# Conversions

## Conversions Part 2

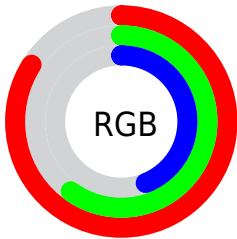
Format	Color
RYB	213, 181, 112
Decimal	13998448
CIELab	68.09, 17.64, 30.40
CIELCh	68, 35.147, 59.869
Yxy	38.0985, 0.4162, 0.3797
Android (android.graphics.Color)	4292188528 (0xFFD59970)
YUV	166.2660, -26.7531, 40.9857
Hunter-Lab	61.7240, 12.7515, 23.5353

# Details

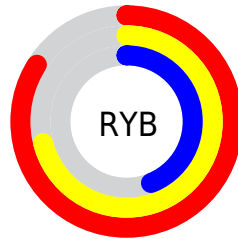
The Yxy color **38.0985, 0.4162, 0.3797** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **37.7612, 0.2394, 0.2703**, and the grayscale version is **38.3840, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.5660, 0.3829, 0.3737**, and **16.9295, 0.4477, 0.3915** is the 20% darker color. If you saturate the color by 10%, you get **33.7551, 0.4464, 0.3889**, and if you desaturate by 10%, it is **42.9974, 0.3887, 0.3691**.

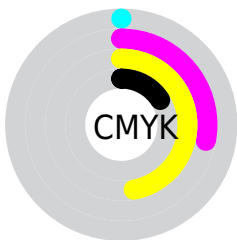
# Distribution



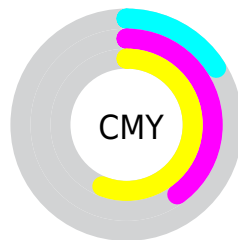
- Red (84%)
- Green (60%)
- Blue (44%)



- Red (84%)
- Yellow (71%)
- Blue (44%)



- Cyan (0%)
- Magenta (28%)
- Yellow (47%)
- Black (16%)




- Cyan (16%)
- Magenta (40%)
- Yellow (56%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 38.0985, 0.4162, 0.3797 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 38.0985, 0.4162, 0.3797 by changing the saturation by 10% instead.





 38.0985, 0.4162,  
0.3797


 38.0985, 0.4162,  
0.3797


338.0423, 0.3627,  
0.3559


 26.0591, 0.4298,  
0.3848


 72.2591, 0.3965,  
0.3716


 16.8679, 0.4472,  
0.3907


 95.1491, 0.3892,  
0.3684

 10.1403, 0.4701,  
0.3974


 122.4248, 0.3830,  
0.3656

 5.4921, 0.5010,  
0.4039

 154.4706, 0.3778,  
0.3632

 2.5388, 0.5665,  
0.4242

191.6708, 0.3732,  
0.3610

 0.8960, 0.6035,  
0.3965

234.4099, 0.3693,

 0.0000, 1.0000,

0.3591

0.0000

283.0723, 0.3658,  
0.3574

0.0000, 0.0000,  
0.0000

38.0985, 0.4162,  
0.3797

38.0985, 0.4162,  
0.3797

33.7551, 0.4464,  
0.3889

42.9974, 0.3887,  
0.3691

29.9398, 0.4783,  
0.3954

48.4664, 0.3643,  
0.3580

26.6312, 0.5100,  
0.3981

54.5266, 0.3430,  
0.3470

23.8033, 0.5392,  
0.3958

61.1961, 0.3247,  
0.3364


21.4256, 0.5637,  
0.3882

68.4923, 0.3089,  
0.3265

 20.8784, 0.5696,  
0.3860

 76.4317, 0.2954,  
0.3173

 84.6307, 0.2871,  
0.3150

 92.4104, 0.2877,  
0.3282

 92.8895, 0.2877,  
0.3289

# Harmonies

## Analogous

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



38.0985, 0.4103, 0.3389



38.0985, 0.4162, 0.3797



38.0985, 0.3923, 0.4125

# Triad

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



38.0985, 0.4162, 0.3797



38.0985, 0.2511, 0.3588



38.0985, 0.2720, 0.2485

# Complementary

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



38.0985, 0.4162, 0.3797



37.7612, 0.2394, 0.2703

# 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.



38.0985, 0.2352, 0.2476



38.0985, 0.4162, 0.3797



38.0985, 0.2238, 0.3065

# Square

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



38.0985, 0.4162, 0.3797



38.0985, 0.2961, 0.4051



38.0985, 0.2185, 0.2670



38.0985, 0.3230, 0.2669



# Rectangle

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



38.0985, 0.4162, 0.3797



38.0985, 0.3641, 0.4236



38.0985, 0.2185, 0.2670



38.0985, 0.2578, 0.2461

# Sweetspot

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



38.1004, 0.4162, 0.3797



85.1160, 0.3367, 0.3435



28.7380, 0.3631, 0.2561



17.7629, 0.3408, 0.3458



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.



38.1004, 0.4162, 0.3797



50.6212, 0.4469, 0.3890



57.9928, 0.3873, 0.4344



13.2401, 0.3281, 0.3385



12.9395, 0.5670, 0.3880



0.9408, 0.5357, 0.4128

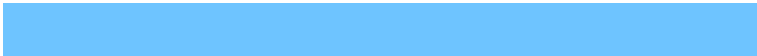


# Inverse Universe

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



37.7612, 0.2394, 0.2703



49.9960, 0.2253, 0.2549



22.1918, 0.2256, 0.1951



13.2231, 0.2982, 0.3193



12.3409, 0.1864, 0.1911



0.9050, 0.1937, 0.2174



# Previews

## White Background



This preview shows how the Yxy color 38.0985, 0.4162, 0.3797 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 38.0985, 0.4162, 0.3797 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

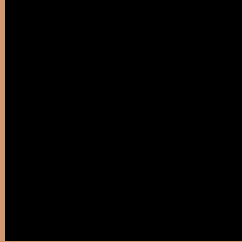
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 38.0985, 0.4162, 0.3797**

## Background



This preview shows how black text looks on a background with the Yxy color 38.0985, 0.4162, 0.3797.



This preview shows how white text looks on a background with the Yxy color 38.0985, 0.4162, 0.3797.

# 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

38.0985, 0.4162, 0.3797

### Protanopia

38.1405, 0.3695, 0.3977

### Deuteranopia

38.0861, 0.3992, 0.3916



## Tritanopia

38.0878, 0.3749, 0.3158

# Trichromacy



## Original Color

38.0985, 0.4162, 0.3797

## Protanomaly

37.8039, 0.3861, 0.3910

## Deuteranomaly

38.0990, 0.4055, 0.3879

## Tritanomaly

38.0169, 0.3913, 0.3391

# Monochromacy



## Original Color

38.0985, 0.4162, 0.3797

## Achromatopsia

38.1326, 0.3127, 0.3290

## Achromatomaly

37.6323, 0.3482, 0.3498

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 38.0985, 0.4162, 0.3797 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(213, 153, 112)` looks like.

```
.text, #text, p{  
    color:rgb(213, 153, 112)  
}
```

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(213, 153, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 153, 112) }
```

## Border

The CSS property to change the border of an element to Yxy 38.0985, 0.4162, 0.3797 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(213, 153, 112) }
```

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

```
.border{ border-color:rgb(213, 153, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 153, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 153, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 153, 112);  
box-shadow:4px 4px 4px 4px rgb(213, 153,  
112) }
```



# Background

The CSS property to change the background color of an element to Yxy 38.0985, 0.4162, 0.3797 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 153, 112) }
```

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

```
.background{ background-color: rgb(213,  
153, 112) }
```

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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