

# Converting Colors

$Y_{xy}(35.8280, 0.4039, 0.3878)$

Have a look what the booklet for  
Yxy(35.8280, 0.4039, 0.3878)  
contains.

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# Color

**Yxy(35.8709, 0.4046, 0.3882)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C6996C
RGB	198, 153, 108
RGB Percent	78%, 60%, 42%
CMY	0.2236, 0.4000, 0.5764
CMYK	0.00, 0.23, 0.45, 0.22
HSL	30°, 44%, 60%
HSV	30°, 45%, 78%
XYZ	37.3863, 35.8709, 19.1459
YIQ	161.3250, 41.2650, -4.4550

# Conversions

## Conversions Part 2

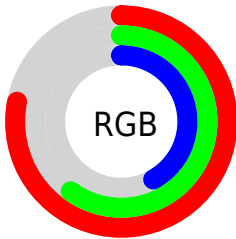
Format	Color
R <sub>Y</sub> B	198, 198, 108
Decimal	13015404
CIE Lab	66.42, 11.09, 30.06
CIE LCh	66, 32.037, 69.756
Yxy	35.8709, 0.4046, 0.3882
Android (android.graphics.Color)	4291205484 (0xFFC6996C)
YUV	161.3250, -26.2892, 32.1640
Hunter-Lab	59.8923, 6.6127, 22.9712

# Details

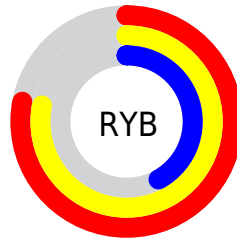
The Yxy color **35.8709, 0.4046, 0.3882** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **30.0514, 0.2403, 0.2600**, and the grayscale version is **35.9114, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.4237, 0.3860, 0.3778**, and **15.5798, 0.4321, 0.4025** is the 20% darker color. If you saturate the color by 10%, you get **32.3901, 0.4309, 0.4000**, and if you desaturate by 10%, it is **39.7198, 0.3802, 0.3752**.

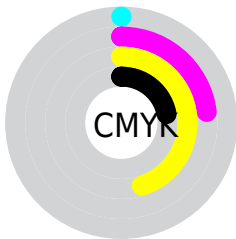
# Distribution



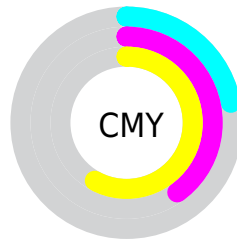
- Red (78%)
- Green (60%)
- Blue (42%)



- Red (78%)
- Yellow (78%)
- Blue (42%)



- Cyan (0%)
- Magenta (23%)
- Yellow (45%)
- Black (22%)




- Cyan (22%)
- Magenta (40%)
- Yellow (58%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 35.8709, 0.4046, 0.3882 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 35.8709, 0.4046, 0.3882 by changing the saturation by 10% instead.





 35.8709, 0.4046,  
0.3882


 35.8709, 0.4046,  
0.3882


328.3959, 0.3569,  
0.3591

 24.3345, 0.4168,  
0.3949


 68.8328, 0.3870,  
0.3779

 15.5819, 0.4325,  
0.4032


 91.0270, 0.3804,  
0.3740

 9.2288, 0.4532,  
0.4130


 117.5427, 0.3749,  
0.3706

 4.8907, 0.4812,  
0.4243

 148.7641, 0.3702,  
0.3677

 2.1833, 0.5444,  
0.4556

185.0758, 0.3662,  
0.3651

 0.7109, 0.5722,  
0.4278

226.8621, 0.3627,

 0.0000, 0.0000,

0.3629

0.0000

274.5073, 0.3596,  
0.3609

■ 35.8709, 0.4046,  
0.3882

■ 35.8709, 0.4046,  
0.3882

■ 32.3901, 0.4309,  
0.4000

■ 39.7198, 0.3802,  
0.3752

■ 29.2591, 0.4583,  
0.4094

■ 43.9438, 0.3581,  
0.3617

■ 26.4657, 0.4855,  
0.4151

■ 48.5562, 0.3385,  
0.3484

■ 23.9940, 0.5107,  
0.4160

■ 53.5680, 0.3212,  
0.3356

■ 21.8264, 0.5323,  
0.4114

■ 58.9895, 0.3061,  
0.3236

■ 20.9277, 0.5414,  
0.4083

■ 64.8308, 0.2929,  
0.3125

■ 71.1015, 0.2815,  
0.3023

■ 77.0537, 0.2776,  
0.3045

■ 82.7917, 0.2784,  
0.3152

# Harmonies

## Analogous

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



35.8709, 0.4085, 0.3515



35.8709, 0.4046, 0.3882



35.8709, 0.3750, 0.4132

# Triad

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



35.8709, 0.4046, 0.3882



35.8709, 0.2447, 0.3404



35.8709, 0.2896, 0.2575

# Complementary

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



35.8709, 0.4046, 0.3882



30.0514, 0.2403, 0.2600

# 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.



35.8709, 0.2498, 0.2511



35.8709, 0.4046, 0.3882



35.8709, 0.2255, 0.2944

# Square

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



35.8709, 0.4046, 0.3882



35.8709, 0.2823, 0.3872



35.8709, 0.2274, 0.2631



35.8709, 0.3391, 0.2796



# Rectangle

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



35.8709, 0.4046, 0.3882



35.8709, 0.3459, 0.4175



35.8709, 0.2274, 0.2631



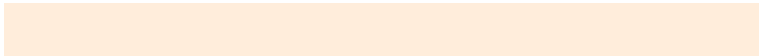
35.8709, 0.2747, 0.2535

# Sweetspot

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



35.8726, 0.4046, 0.3882



87.0454, 0.3362, 0.3468



25.0844, 0.3696, 0.2685



18.2315, 0.3402, 0.3496



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.



35.8726, 0.4046, 0.3882



57.1372, 0.4320, 0.4004



52.7913, 0.3801, 0.4377



11.4984, 0.3277, 0.3406



13.7819, 0.5394, 0.4099



0.7974, 0.5078, 0.4350

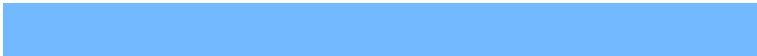


# Inverse Universe

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



30.0514, 0.2403, 0.2600



45.4940, 0.2243, 0.2406



18.3149, 0.2281, 0.1907



11.1490, 0.2983, 0.3172



8.6262, 0.1776, 0.1593

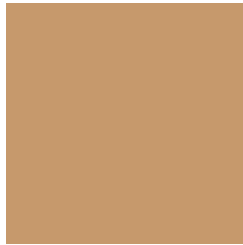


0.5533, 0.1881, 0.1972



# Previews

## White Background



This preview shows how the Yxy color 35.8709, 0.4046, 0.3882 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 35.8709, 0.4046, 0.3882 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

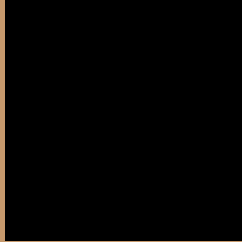
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 35.8709, 0.4046, 0.3882**

## Background



This preview shows how black text looks on a background with the Yxy color 35.8709, 0.4046, 0.3882.



This preview shows how white text looks on a background with the Yxy color 35.8709, 0.4046, 0.3882.

# 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

35.8709, 0.4046, 0.3882

### Protanopia

36.1245, 0.3717, 0.4006

### Deuteranopia

35.9947, 0.3992, 0.3918



## Tritanopia

36.0326, 0.3604, 0.3150

# Trichromacy



**Original Color**

35.8709, 0.4046, 0.3882

**Protanomaly**

36.0113, 0.3825, 0.3959

**Deuteranomaly**

35.7960, 0.4009, 0.3903

**Tritanomaly**

35.8058, 0.3768, 0.3410

# Monochromacy



**Original Color**

35.8709, 0.4046, 0.3882

**Achromatopsia**

35.6400, 0.3127, 0.3290

**Achromatomaly**

35.4054, 0.3437, 0.3520

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 35.8709, 0.4046, 0.3882 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(198, 153, 108)` looks like.

```
.text, #text, p{  
    color:rgb(198, 153, 108)  
}
```

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(198, 153, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 153, 108) }
```

## Border

The CSS property to change the border of an element to Yxy 35.8709, 0.4046, 0.3882 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(198, 153, 108) }
```

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

```
.border{ border-color:rgb(198, 153, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 153, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 153, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 153, 108);  
box-shadow:4px 4px 4px 4px rgb(198, 153,  
108) }
```



# Background

The CSS property to change the background color of an element to Yxy 35.8709, 0.4046, 0.3882 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 153, 108) }
```

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

```
.background{ background-color: rgb(198,  
153, 108) }
```

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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