

# Converting Colors

$Yxy(35.4686, 0.3937, 0.3730)$

Have a look what the booklet for  
Yxy(35.4686, 0.3937, 0.3730)  
contains.

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# Color

**Yxy(35.6587, 0.3931, 0.3730)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C59877
RGB	197, 152, 119
RGB Percent	77%, 60%, 47%
CMY	0.2275, 0.4039, 0.5333
CMYK	0.00, 0.23, 0.40, 0.23
HSL	25°, 40%, 62%
HSV	25°, 40%, 77%
XYZ	37.5803, 35.6587, 22.3608
YIQ	161.6930, 37.4130, -0.7230

# Conversions

## Conversions Part 2

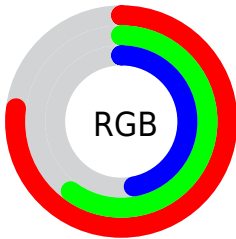
Format	Color
<a href="#">RYB</a>	<a href="#">197, 176, 119</a>
Decimal	<a href="#">12949623</a>
CIELab	<a href="#">66.26, 12.42, 23.83</a>
CIElCh	<a href="#">66, 26.870, 62.470</a>
Yxy	<a href="#">35.6587, 0.3931, 0.3730</a>
Android (android.graphics.Color)	<a href="#">4291139703 (0xFFC59877)</a>
YUV	<a href="#">161.6930, -21.0476, 30.9642</a>
Hunter-Lab	<a href="#">59.7149, 7.8339, 19.5988</a>

# Details

The Yxy color **35.6587, 0.3931, 0.3730** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **34.4982, 0.2511, 0.2798**, and the grayscale version is **36.0682, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.3429, 0.3779, 0.3655**, and **15.4123, 0.4181, 0.3849** is the 20% darker color. If you saturate the color by 10%, you get **31.7216, 0.4205, 0.3838**, and if you desaturate by 10%, it is **40.0505, 0.3685, 0.3616**.

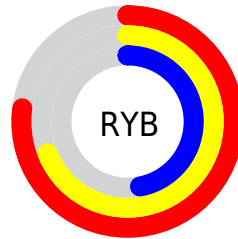
# Distribution



Red (77%)

Green (60%)

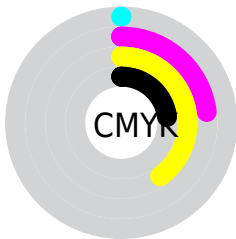
Blue (47%)



Red (77%)

Yellow (69%)

Blue (47%)

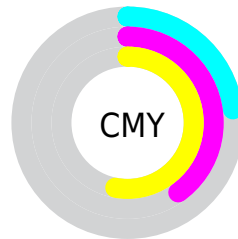


Cyan (0%)

Magenta (23%)

Yellow (40%)

Black (23%)



Cyan (23%)

Magenta (40%)


Yellow (53%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 35.6587, 0.3931, 0.3730 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 35.6587, 0.3931, 0.3730 by changing the saturation by 10% instead.





 35.6587, 0.3931,  
0.3730


 35.6587, 0.3931,  
0.3730


327.4663, 0.3510,  
0.3513

 24.1707, 0.4041,  
0.3781


 68.5050, 0.3774,  
0.3653

 15.4603, 0.4185,  
0.3844


 90.6320, 0.3716,  
0.3624

 9.1431, 0.4379,  
0.3922


 117.0742, 0.3668,  
0.3598

 4.8346, 0.4652,  
0.4016

148.2160, 0.3627,  
0.3577

 2.1506, 0.5194,  
0.4228

184.4417, 0.3591,  
0.3558

 0.6928, 0.5827,  
0.4173

226.1357, 0.3561,

 0.0000, 0.0000,

0.3541

0.0000

273.6824, 0.3534,  
0.3527

■ 35.6587, 0.3931,  
0.3730

■ 35.6587, 0.3931,  
0.3730

■ 31.7216, 0.4205,  
0.3838

■ 40.0505, 0.3685,  
0.3616

■ 28.2182, 0.4503,  
0.3929

■ 44.9071, 0.3470,  
0.3501

■ 25.1331, 0.4813,  
0.3992


■ 50.2445, 0.3282,  
0.3390

■ 22.4478, 0.5118,  
0.4014


■ 56.0762, 0.3121,  
0.3286


■ 20.1416, 0.5394,  
0.3985

■ 62.4152, 0.2982,  
0.3189


 18.1860, 0.5628,  
0.3909

 69.2742, 0.2862,  
0.3099

 18.1099, 0.5638,  
0.3906

 76.5419, 0.2769,  
0.3037

 83.1292, 0.2779,  
0.3161

 90.1373, 0.2788,  
0.3281

# Harmonies

## Analogous

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



35.6587, 0.3902, 0.3408



35.6587, 0.3931, 0.3730



35.6587, 0.3733, 0.3966

# Triad

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



35.6587, 0.3931, 0.3730



35.6587, 0.2618, 0.3489



35.6587, 0.2841, 0.2652

# Complementary

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



35.6587, 0.3931, 0.3730



34.4982, 0.2511, 0.2798

# 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.



35.6587, 0.2532, 0.2638



35.6587, 0.3931, 0.3730



35.6587, 0.2409, 0.3091

# Square

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



35.6587, 0.3931, 0.3730



35.6587, 0.2969, 0.3848



35.6587, 0.2380, 0.2786



35.6587, 0.3249, 0.2812



# Rectangle

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



35.6587, 0.3931, 0.3730



35.6587, 0.3507, 0.4030



35.6587, 0.2380, 0.2786



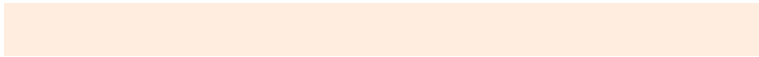
35.6587, 0.2723, 0.2630

# Sweetspot

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



35.6604, 0.3931, 0.3730



87.4353, 0.3329, 0.3419



27.7638, 0.3533, 0.2697



18.4390, 0.3353, 0.3433



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.



35.6604, 0.3931, 0.3730



58.0784, 0.4152, 0.3819



50.2346, 0.3742, 0.4190



11.3625, 0.3279, 0.3388



12.0727, 0.5615, 0.3924



0.7144, 0.5248, 0.4215

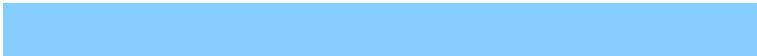


# Inverse Universe

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



34.4982, 0.2511, 0.2798



55.7002, 0.2389, 0.2676



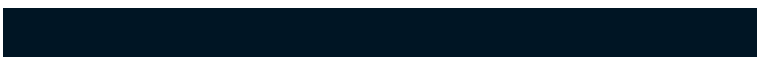
22.7518, 0.2419, 0.2194



11.2863, 0.2983, 0.3190



10.6798, 0.1849, 0.1855



0.6470, 0.1940, 0.2185



# Previews

## White Background



This preview shows how the Yxy color 35.6587, 0.3931, 0.3730 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

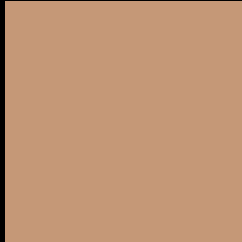
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 35.6587, 0.3931, 0.3730 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

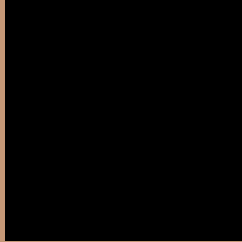
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 35.6587, 0.3931, 0.3730**

## Background



This preview shows how black text looks on a background with the Yxy color 35.6587, 0.3931, 0.3730.



This preview shows how white text looks on a background with the Yxy color 35.6587, 0.3931, 0.3730.

# 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

35.6587, 0.3931, 0.3730

### Protanopia

35.6905, 0.3588, 0.3842

### Deuteranopia

35.8510, 0.3853, 0.3780



## Tritanopia

35.7536, 0.3584, 0.3149

# Trichromacy



**Original Color**

35.6587, 0.3931, 0.3730

**Protanomaly**

35.6826, 0.3704, 0.3798

**Deuteranomaly**

35.7806, 0.3879, 0.3763

**Tritanomaly**

35.7879, 0.3715, 0.3357

# Monochromacy



**Original Color**

35.6587, 0.3931, 0.3730

**Achromatopsia**

36.1307, 0.3127, 0.3290

**Achromatomaly**

35.6430, 0.3408, 0.3462

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 35.6587, 0.3931, 0.3730 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(197, 152, 119)` looks like.

```
.text, #text, p{  
    color:rgb(197, 152, 119)  
}
```

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(197, 152, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 152, 119) }
```

## Border

The CSS property to change the border of an element to Yxy 35.6587, 0.3931, 0.3730 is called "border". The border property can be set on classes, ids or directly on the HTML element.

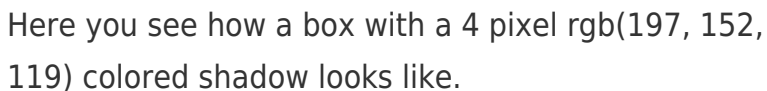
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(197, 152, 119) }
```

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

```
.border{ border-color:rgb(197, 152, 119) }
```

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



Here you see how a box with a 4 pixel `rgb(197, 152, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(197, 152, 119); -webkit-box-shadow:4px 4px 4px 4px rgb(197, 152, 119); box-shadow:4px 4px 4px 4px rgb(197, 152, 119) }
```



# Background

The CSS property to change the background color of an element to Yxy 35.6587, 0.3931, 0.3730 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 152, 119) }
```

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

```
.background{ background-color: rgb(197,  
152, 119) }
```

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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