

# Converting Colors

$Yxy(39.3444, 0.3931, 0.3765)$

Have a look what the booklet for  
Yxy(39.3444, 0.3931, 0.3765)  
contains.

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# Color

**Yxy(39.4090, 0.3923, 0.3766)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CCA07B
RGB	204, 160, 123
RGB Percent	80%, 63%, 48%
CMY	0.1999, 0.3726, 0.5176
CMYK	0.00, 0.22, 0.40, 0.20
HSL	27°, 44%, 64%
HSV	27°, 40%, 80%
XYZ	41.0519, 39.4090, 24.1833
YIQ	168.9380, 38.1010, -2.1790

# Conversions

## Conversions Part 2

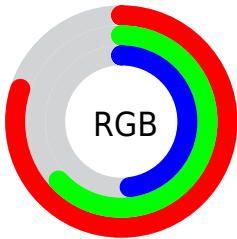
Format	Color
<a href="#">RYB</a>	<a href="#">204, 191, 123</a>
Decimal	<a href="#">13410427</a>
CIELab	<a href="#">69.05, 11.37, 25.51</a>
CIELCh	<a href="#">69, 27.931, 65.977</a>
Yxy	<a href="#">39.4090, 0.3923, 0.3766</a>
Android (android.graphics.Color)	<a href="#">4291600507</a> ( <a href="#">0xFFCCA07B</a> )
YUV	<a href="#">168.9380, -22.6474, 30.7494</a>
Hunter-Lab	<a href="#">62.7766, 6.8687, 21.1035</a>

# Details

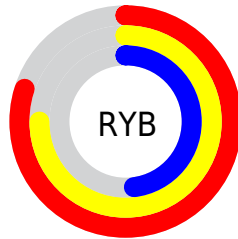
The Yxy color **39.4090, 0.3923, 0.3766** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **36.2196, 0.2501, 0.2754**, and the grayscale version is **39.7456, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.9955, 0.3712, 0.3693**, and **17.7276, 0.4153, 0.3892** is the 20% darker color. If you saturate the color by 10%, you get **35.2781, 0.4189, 0.3882**, and if you desaturate by 10%, it is **43.9929, 0.3683, 0.3643**.

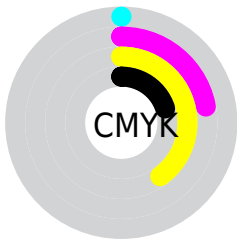
# Distribution



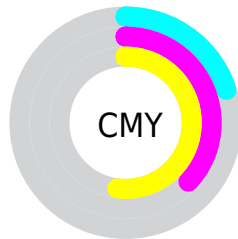
- Red (80%)
- Green (63%)
- Blue (48%)



- Red (80%)
- Yellow (75%)
- Blue (48%)



- Cyan (0%)
- Magenta (22%)
- Yellow (40%)
- Black (20%)




- Cyan (20%)
- Magenta (37%)
- Yellow (52%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 39.4090, 0.3923, 0.3766 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 39.4090, 0.3923, 0.3766 by changing the saturation by 10% instead.





 39.4090, 0.3923,  
0.3766


 39.4090, 0.3923,  
0.3766


343.6263, 0.3513,  
0.3534

 27.0781, 0.4027,  
0.3820


 74.2627, 0.3772,  
0.3684

 17.6319, 0.4162,  
0.3887


 97.5543, 0.3716,  
0.3653

 10.6860, 0.4341,  
0.3969


 125.2682, 0.3669,  
0.3626

 5.8561, 0.4588,  
0.4070

157.7888, 0.3629,  
0.3602

 2.7578, 0.4991,  
0.4224

195.5005, 0.3594,  
0.3582

 1.0066, 0.5621,  
0.4379

238.7877, 0.3564,

 0.0000, 1.0000,

0.3564

0.0000

288.0348, 0.3537,  
0.3548

0.0000, 0.0000,  
0.0000

39.4090, 0.3923,  
0.3766

39.4090, 0.3923,  
0.3766

35.2781, 0.4189,  
0.3882

43.9929, 0.3683,  
0.3643

31.5790, 0.4475,  
0.3981

49.0389, 0.3470,  
0.3519

28.2969, 0.4771,  
0.4051


54.5628, 0.3284,  
0.3400


25.4137, 0.5058,  
0.4078

60.5777, 0.3123,  
0.3287

22.9091, 0.5318,  
0.4054

67.0965, 0.2983,  
0.3182

 20.7545, 0.5538,  
0.3982

 74.1312, 0.2862,  
0.3085

 20.6963, 0.5545,  
0.3980

 80.9770, 0.2815,  
0.3105

 87.6182, 0.2823,  
0.3223

 91.5801, 0.2827,  
0.3289

# Harmonies

## Analogous

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



39.4090, 0.3922, 0.3448



39.4090, 0.3923, 0.3766



39.4090, 0.3700, 0.3987

# Triad

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



39.4090, 0.3923, 0.3766



39.4090, 0.2583, 0.3442



39.4090, 0.2884, 0.2661

# Complementary

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



39.4090, 0.3923, 0.3766



36.2196, 0.2501, 0.2754

# 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.



39.4090, 0.2557, 0.2628



39.4090, 0.3923, 0.3766



39.4090, 0.2393, 0.3047

# Square

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



39.4090, 0.3923, 0.3766



39.4090, 0.2922, 0.3817



39.4090, 0.2384, 0.2757



39.4090, 0.3299, 0.2837



# Rectangle

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



39.4090, 0.3923, 0.3766



39.4090, 0.3464, 0.4035



39.4090, 0.2384, 0.2757



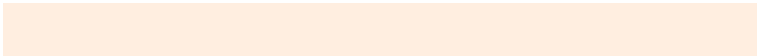
39.4090, 0.2761, 0.2633

# Sweetspot

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



39.4109, 0.3923, 0.3766



88.0296, 0.3327, 0.3429



29.8183, 0.3568, 0.2726



18.5786, 0.3351, 0.3444



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.



39.4109, 0.3923, 0.3766



59.1180, 0.4159, 0.3870



55.5643, 0.3734, 0.4223



12.0434, 0.3279, 0.3396



13.2053, 0.5521, 0.3998



0.8323, 0.5197, 0.4256



# Inverse Universe

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



36.2196, 0.2501, 0.2754



53.0721, 0.2364, 0.2608



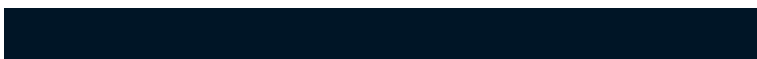
23.7652, 0.2408, 0.2146



11.8372, 0.2983, 0.3182



10.0677, 0.1816, 0.1738



0.6700, 0.1908, 0.2068



# Previews

## White Background



This preview shows how the Yxy color 39.4090, 0.3923, 0.3766 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

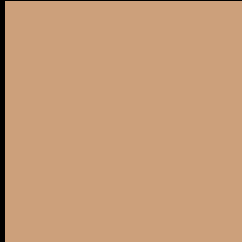
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 39.4090, 0.3923, 0.3766 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

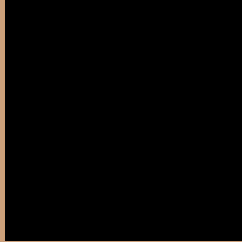
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 39.4090, 0.3923, 0.3766**

## Background



This preview shows how black text looks on a background with the Yxy color 39.4090, 0.3923, 0.3766.



This preview shows how white text looks on a background with the Yxy color 39.4090, 0.3923, 0.3766.

# 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

39.4090, 0.3923, 0.3766

### Protanopia

39.7320, 0.3614, 0.3872

### Deuteranopia

39.5501, 0.3872, 0.3799



## Tritanopia

39.2743, 0.3555, 0.3141

# Trichromacy



**Original Color**

39.4090, 0.3923, 0.3766

**Protanomaly**

39.5976, 0.3715, 0.3832

**Deuteranomaly**

39.3373, 0.3887, 0.3784

**Tritanomaly**

39.2443, 0.3701, 0.3368

# Monochromacy



**Original Color**

39.4090, 0.3923, 0.3766

**Achromatopsia**

39.6755, 0.3127, 0.3290

**Achromatomaly**

39.4845, 0.3404, 0.3483

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 39.4090, 0.3923, 0.3766 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(204, 160, 123)` looks like.

```
.text, #text, p{  
    color:rgb(204, 160, 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(204, 160, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 160, 123) }
```

## Border

The CSS property to change the border of an element to Yxy 39.4090, 0.3923, 0.3766 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(204, 160, 123) }
```

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

```
.border{ border-color:rgb(204, 160, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 160, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 160, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 160, 123);  
box-shadow:4px 4px 4px 4px rgb(204, 160,  
123) }
```



# Background

The CSS property to change the background color of an element to Yxy 39.4090, 0.3923, 0.3766 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 160, 123) }
```

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

```
.background{ background-color: rgb(204,  
160, 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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