

# Converting Colors

$Yxy(39.9232, 0.3730, 0.3775)$

Have a look what the booklet for  
Yxy(39.9232, 0.3730, 0.3775)  
contains.

<b>Yxy(39.8327, 0.3731, 0.3771)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(39.8327, 0.3731, 0.3771)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C1A581
RGB	193, 165, 129
RGB Percent	76%, 65%, 51%
CMY	0.2431, 0.3529, 0.4940
CMYK	0.00, 0.15, 0.33, 0.24
HSL	34°, 34%, 63%
HSV	34°, 33%, 76%
XYZ	39.4102, 39.8327, 26.3861
YIQ	169.2680, 28.2440, -5.2600

# Conversions

## Conversions Part 2

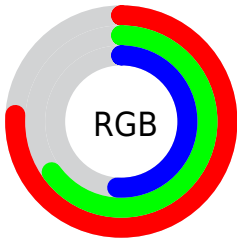
Format	Color
<a href="#">RYB</a>	<a href="#">179, 193, 129</a>
Decimal	<a href="#">12690817</a>
CIELab	<a href="#">69.35, 4.95, 22.46</a>
CIElCh	<a href="#">69, 23.004, 77.562</a>
Yxy	<a href="#">39.8327, 0.3731, 0.3771</a>
Android (android.graphics.Color)	<a href="#">4290880897 (0xFFC1A581)</a>
YUV	<a href="#">169.2680, -19.8521, 20.8130</a>
Hunter-Lab	<a href="#">63.1132, 1.0140, 19.3914</a>

# Details

The Yxy color **39.8327, 0.3731, 0.3771** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **32.6361, 0.2594, 0.2754**, and the grayscale version is **39.9069, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.8878, 0.3615, 0.3686**, and **17.7780, 0.3914, 0.3910** is the 20% darker color. If you saturate the color by 10%, you get **36.4223, 0.3956, 0.3918**, and if you desaturate by 10%, it is **43.5449, 0.3525, 0.3621**.

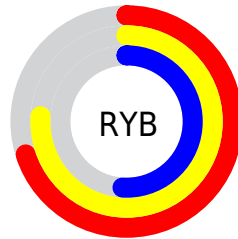
# Distribution



Red (76%)

Green (65%)

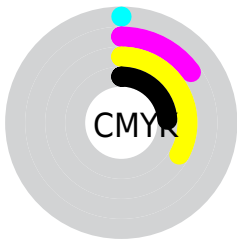
Blue (51%)



Red (70%)

Yellow (76%)

Blue (51%)

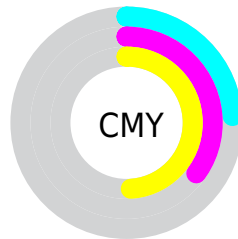


Cyan (0%)

Magenta (15%)

Yellow (33%)

Black (24%)



Cyan (24%)

Magenta (35%)


Yellow (49%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 39.8327, 0.3731, 0.3771 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 39.8327, 0.3731, 0.3771 by changing the saturation by 10% instead.





 39.8327, 0.3731,  
0.3771


 39.8327, 0.3731,  
0.3771


345.4179, 0.3421,  
0.3530


 27.4081, 0.3810,  
0.3830


 74.9087, 0.3617,  
0.3684

 17.8800, 0.3912,  
0.3906


 98.3289, 0.3575,  
0.3651

 10.8638, 0.4048,  
0.4004


 126.1831, 0.3539,  
0.3623

 5.9754, 0.4236,  
0.4134

158.8557, 0.3509,  
0.3599

 2.8301, 0.4519,  
0.4319

196.7311, 0.3482,  
0.3578

 1.0437, 0.5205,  
0.4795

240.1937, 0.3459,

 0.0000, 1.0000,

0.3560

0.0000

289.6278, 0.3439,  
0.3544

0.0000, 0.0000,  
0.0000

39.8327, 0.3731,  
0.3771

39.8327, 0.3731,  
0.3771

36.4223, 0.3956,  
0.3918

43.5449, 0.3525,  
0.3621

33.2989, 0.4196,  
0.4054

47.5620, 0.3340,  
0.3474

30.4542, 0.4443,  
0.4168

51.8944, 0.3175,  
0.3333

27.8775, 0.4687,  
0.4248

56.5500, 0.3029,  
0.3200

25.5567, 0.4913,  
0.4283

61.5363, 0.2901,  
0.3077

■ 23.4783, 0.5109,  
0.4266

■ 66.8608, 0.2789,  
0.2964

■ 22.1799, 0.5229,  
0.4230

■ 71.9292, 0.2739,  
0.2952

■ 76.5845, 0.2747,  
0.3046

■ 81.4684, 0.2755,  
0.3139

# Harmonies

## Analogous

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



39.8327, 0.3802, 0.3534



39.8327, 0.3731, 0.3771



39.8327, 0.3495, 0.3893

# Triad

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



39.8327, 0.3731, 0.3771



39.8327, 0.2599, 0.3289



39.8327, 0.3057, 0.2810

# Complementary

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



39.8327, 0.3731, 0.3771



32.6361, 0.2594, 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.



39.8327, 0.2749, 0.2734



39.8327, 0.3731, 0.3771



39.8327, 0.2496, 0.2989

# Square

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



39.8327, 0.3731, 0.3771



39.8327, 0.2841, 0.3611



39.8327, 0.2549, 0.2793



39.8327, 0.3402, 0.2996



# Rectangle

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



39.8327, 0.3731, 0.3771



39.8327, 0.3281, 0.3879



39.8327, 0.2549, 0.2793



39.8327, 0.2946, 0.2771

# Sweetspot

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



39.8345, 0.3731, 0.3771



87.4501, 0.3288, 0.3431



29.5045, 0.3545, 0.2905



18.5299, 0.3313, 0.3451



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



39.8345, 0.3731, 0.3771



66.7278, 0.3897, 0.3882



50.6452, 0.3593, 0.4115



10.9967, 0.3275, 0.3420



14.9143, 0.5211, 0.4244



0.7797, 0.4926, 0.4471



# Inverse Universe

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



32.6361, 0.2594, 0.2754



51.8131, 0.2468, 0.2609



24.4786, 0.2568, 0.2326



10.4568, 0.2984, 0.3157



6.9773, 0.1721, 0.1394

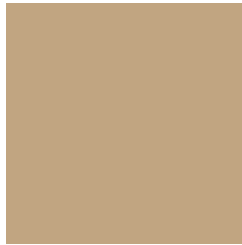


0.4384, 0.1843, 0.1834



# Previews

## White Background



This preview shows how the Yxy color 39.8327, 0.3731, 0.3771 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

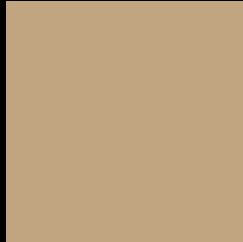
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 39.8327, 0.3731, 0.3771 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

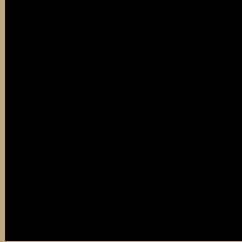
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 39.8327, 0.3731, 0.3771**

## **Background**



This preview shows how black text looks on a background with the Yxy color 39.8327, 0.3731, 0.3771.



This preview shows how white text looks on a background with the Yxy color 39.8327, 0.3731, 0.3771.

# 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

39.8327, 0.3731, 0.3771

### Protanopia

39.8384, 0.3578, 0.3817

### Deuteranopia

39.9482, 0.3791, 0.3723



## Tritanopia

39.7806, 0.3387, 0.3124

# Trichromacy



**Original Color**

39.8327, 0.3731, 0.3771

**Protanomaly**

39.9313, 0.3630, 0.3811

**Deuteranomaly**

40.0329, 0.3766, 0.3738

**Tritanomaly**

39.6258, 0.3516, 0.3357

# Monochromacy



**Original Color**

39.8327, 0.3731, 0.3771

**Achromatopsia**

39.6755, 0.3127, 0.3290

**Achromatomaly**

39.8033, 0.3343, 0.3484

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 39.8327, 0.3731, 0.3771 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(193, 165, 129)` looks like.

```
.text, #text, p{  
    color:rgb(193, 165, 129)  
}
```

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(193, 165, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 165, 129) }
```

## Border

The CSS property to change the border of an element to Yxy 39.8327, 0.3731, 0.3771 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(193, 165, 129) }
```

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

```
.border{ border-color:rgb(193, 165, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 165, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 165, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 165, 129);  
box-shadow:4px 4px 4px 4px rgb(193, 165,  
129) }
```



# Background

The CSS property to change the background color of an element to Yxy 39.8327, 0.3731, 0.3771 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 165, 129) }
```

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

```
.background{ background-color: rgb(193,  
165, 129) }
```

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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