

# Converting Colors

$Yxy(40.7352, 0.3882, 0.4138)$

Have a look what the booklet for  
Yxy(40.7352, 0.3882, 0.4138)  
contains.

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**Color**

**Yxy(40.7372, 0.3882, 0.4139)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BEAA6A
RGB	190, 170, 106
RGB Percent	75%, 67%, 42%
CMY	0.2550, 0.3333, 0.5844
CMYK	0.00, 0.11, 0.44, 0.25
HSL	46°, 39%, 58%
HSV	46°, 44%, 75%
XYZ	38.2077, 40.7372, 19.4779
YIQ	168.6840, 32.4640, -15.6640

# Conversions

## Conversions Part 2

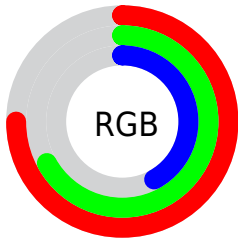
<b>Format</b>	<b>Color</b>
<b>RYB</b>	132, 190, 106
Decimal	12495466
CIELab	69.99, -1.64, 35.57
CIELCh	70, 35.608, 92.640
Yxy	40.7372, 0.3882, 0.4139
Android (android.graphics.Color)	4290685546 (0xFFBEAA6A)
YUV	168.6840, -30.9032, 18.6941
Hunter-Lab	63.8257, -4.8402, 26.5843

# Details

The Yxy color **40.7372, 0.3882, 0.4139** is a light color, and the websafe version is hex **999966**. A complement of this color would be **21.6888, 0.2362, 0.2257**, and the grayscale version is **39.6546, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.2755, 0.3752, 0.3986**, and **18.4032, 0.4085, 0.4368** is the 20% darker color. If you saturate the color by 10%, you get **38.7219, 0.4065, 0.4313**, and if you desaturate by 10%, it is **42.9020, 0.3698, 0.3949**.

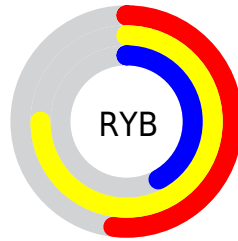
# Distribution



Red (75%)

Green (67%)

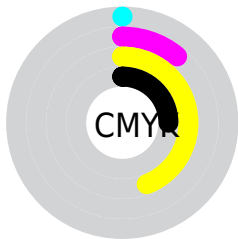
Blue (42%)



Red (52%)

Yellow (75%)

Blue (42%)

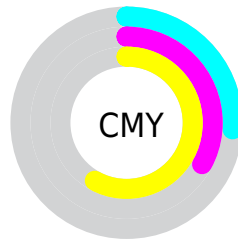


Cyan (0%)

Magenta (11%)

Yellow (44%)

Black (25%)



Cyan (26%)

Magenta (33%)

Yellow (58%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 40.7372, 0.3882, 0.4139 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 40.7372, 0.3882, 0.4139 by changing the saturation by 10% instead.





 40.7372, 0.3882,  
0.4139

 40.7372, 0.3882,  
0.4139


349.2210, 0.3506,  
0.3713

 28.1138, 0.3972,  
0.4242


 76.2848, 0.3748,  
0.3986


 18.4115, 0.4083,  
0.4371


 99.9778, 0.3696,  
0.3927

 11.2458, 0.4222,  
0.4534


 128.1294, 0.3653,  
0.3878

 6.2324, 0.4394,  
0.4740

 161.1241, 0.3615,  
0.3836

 2.9869, 0.4793,  
0.5207

199.3462, 0.3582,  
0.3799

 1.1249, 0.4763,  
0.5237

243.1801, 0.3554,

 0.0000, 0.0000,

0.3767

0.0000

293.0103, 0.3529,  
0.3738

■ 40.7372, 0.3882,  
0.4139

■ 40.7372, 0.3882,  
0.4139

■ 38.7219, 0.4065,  
0.4313

■ 42.9020, 0.3698,  
0.3949

■ 36.8441, 0.4240,  
0.4461

■ 45.2166, 0.3519,  
0.3753

■ 35.0985, 0.4398,  
0.4573


■ 47.6882, 0.3349,  
0.3557


■ 33.4768, 0.4532,  
0.4641

■ 50.3220, 0.3190,  
0.3367

■ 31.9695, 0.4636,  
0.4662

■ 53.1229, 0.3045,  
0.3187

 31.1394, 0.4688,  
0.4660

 56.0953, 0.2912,  
0.3018

 59.2435, 0.2793,  
0.2861

 62.3794, 0.2702,  
0.2746

 64.5879, 0.2707,  
0.2798

# Harmonies

## Analogous

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



40.7372, 0.4142, 0.3828



40.7372, 0.3882, 0.4139



40.7372, 0.3429, 0.4232

# Triad

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



40.7372, 0.3882, 0.4139



40.7372, 0.2231, 0.3024



40.7372, 0.3279, 0.2699

# Complementary

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



40.7372, 0.3882, 0.4139



21.6888, 0.2362, 0.2257

# 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.



40.7372, 0.2766, 0.2501



40.7372, 0.3882, 0.4139



40.7372, 0.2199, 0.2649

# Square

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



40.7372, 0.3882, 0.4139



40.7372, 0.2484, 0.3537



40.7372, 0.2385, 0.2476



40.7372, 0.3787, 0.3026



# Rectangle

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



40.7372, 0.3882, 0.4139



40.7372, 0.3085, 0.4119



40.7372, 0.2385, 0.2476



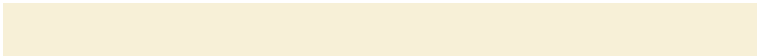
40.7372, 0.3100, 0.2616

# Sweetspot

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



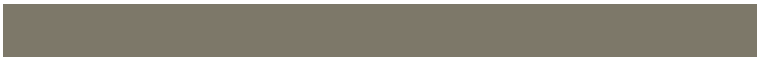
40.7391, 0.3882, 0.4139



86.9006, 0.3332, 0.3538



22.7801, 0.3982, 0.3003



18.8556, 0.3369, 0.3581



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.



40.7391, 0.3882, 0.4139



70.3090, 0.4058, 0.4307



46.2940, 0.3584, 0.4440



10.7256, 0.3270, 0.3464



20.8351, 0.4680, 0.4666



0.9109, 0.4541, 0.4776



# Inverse Universe

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



21.6888, 0.2362, 0.2257



31.4671, 0.2181, 0.1984



18.5305, 0.2500, 0.1997



9.5838, 0.2984, 0.3110



3.8322, 0.1578, 0.0882



0.2548, 0.1711, 0.1357



# Previews

## White Background



This preview shows how the Yxy color 40.7372, 0.3882, 0.4139 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

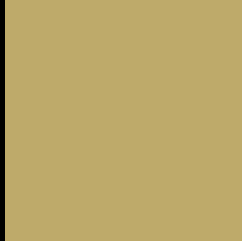
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 40.7372, 0.3882, 0.4139 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 40.7372, 0.3882, 0.4139**

## **Background**



This preview shows how black text looks on a background with the Yxy color 40.7372, 0.3882, 0.4139.



This preview shows how white text looks on a background with the Yxy color 40.7372, 0.3882, 0.4139.

# 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

40.7372, 0.3882, 0.4139

### Protanopia

40.7312, 0.3846, 0.4160

### Deuteranopia

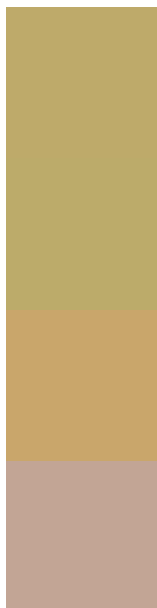
40.5213, 0.4085, 0.3990



## Tritanopia

40.7670, 0.3354, 0.3137

# Trichromacy



## Original Color

40.7372, 0.3882, 0.4139

## Protanomaly

40.8578, 0.3856, 0.4157

## Deuteranomaly

40.7515, 0.4007, 0.4044

## Tritanomaly

40.5495, 0.3553, 0.3503

# Monochromacy



## Original Color

40.7372, 0.3882, 0.4139

## Achromatopsia

39.6755, 0.3127, 0.3290

## Achromatomaly

39.7984, 0.3403, 0.3611

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 40.7372, 0.3882, 0.4139 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(190, 170, 106)` looks like.

```
.text, #text, p{  
    color:rgb(190, 170, 106)  
}
```

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(190, 170, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 170, 106) }
```

## Border

The CSS property to change the border of an element to Yxy 40.7372, 0.3882, 0.4139 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(190, 170, 106) }
```

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

```
.border{ border-color:rgb(190, 170, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 170, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 170, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 170, 106);  
box-shadow:4px 4px 4px 4px rgb(190, 170,  
106) }
```



# Background

The CSS property to change the background color of an element to Yxy 40.7372, 0.3882, 0.4139 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 170, 106) }
```

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

```
.background{ background-color: rgb(190,  
170, 106) }
```

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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