

# Converting Colors

$Y_{xy}(41.3575, 0.3751, 0.4027)$

Have a look what the booklet for  
Yxy(41.3575, 0.3751, 0.4027)  
contains.

<b>Yxy(41.3542, 0.3748, 0.4031)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(41.3542, 0.3748, 0.4031)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BBAC75
RGB	187, 172, 117
RGB Percent	73%, 67%, 46%
CMY	0.2668, 0.3254, 0.5412
CMYK	0.00, 0.08, 0.37, 0.27
HSL	47°, 34%, 60%
HSV	47°, 37%, 73%
XYZ	38.4509, 41.3542, 22.7853
YIQ	170.2150, 26.5950, -13.9250

# Conversions

## Conversions Part 2

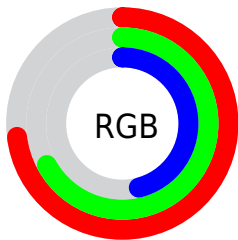
Format	Color
<b>RYB</b>	136, 187, 117
Decimal	12299381
CIELab	70.42, -2.72, 30.27
CIElCh	70, 30.388, 95.137
Yxy	41.3542, 0.3748, 0.4031
Android (android.graphics.Color)	4290489461 (0xFFBBAC75)
YUV	170.2150, -26.2350, 14.7204
Hunter-Lab	64.3072, -5.8081, 24.0074

# Details

The Yxy color **41.3542, 0.3748, 0.4031** is a light color, and the websafe version is hex **999966**. A complement of this color would be **23.8582, 0.2487, 0.2417**, and the grayscale version is **40.4339, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.0735, 0.3634, 0.3888**, and **18.8368, 0.3921, 0.4237** is the 20% darker color. If you saturate the color by 10%, you get **39.4611, 0.3927, 0.4221**, and if you desaturate by 10%, it is **43.3847, 0.3571, 0.3831**.

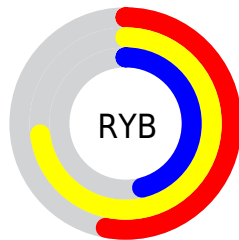
# Distribution



Red (73%)

Green (67%)

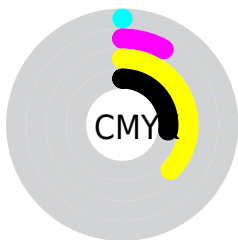
Blue (46%)



Red (53%)

Yellow (73%)

Blue (46%)

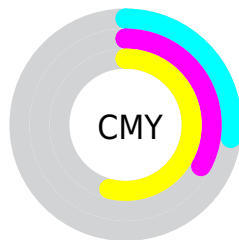


Cyan (0%)

Magenta (8%)

Yellow (37%)

Black (27%)



Cyan (27%)

Magenta (33%)


Yellow (54%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 41.3542, 0.3748, 0.4031 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 41.3542, 0.3748, 0.4031 by changing the saturation by 10% instead.




 41.3542, 0.3748,  
0.4031


 41.3542, 0.3748,  
0.4031


351.7988, 0.3438,  
0.3656


 28.5960, 0.3823,  
0.4124


 77.2213, 0.3636,  
0.3895

 18.7754, 0.3918,  
0.4242


 101.0989, 0.3594,  
0.3843

 11.5081, 0.4039,  
0.4396


 129.4518, 0.3558,  
0.3800

 6.4097, 0.4196,  
0.4600

162.6643, 0.3527,  
0.3763

 3.0958, 0.4479,  
0.4966

201.1209, 0.3500,  
0.3731

 1.1819, 0.4692,  
0.5308

245.2059, 0.3477,

 0.0469, 0.0000,

0.3703

1.0000

295.3038, 0.3456,  
0.3678

■ 0.0000, 0.0000,  
0.0000

■ 41.3542, 0.3748,  
0.4031

■ 41.3542, 0.3748,  
0.4031

■ 39.4611, 0.3927,  
0.4221

■ 43.3847, 0.3571,  
0.3831

■ 37.6940, 0.4101,  
0.4392

■ 45.5520, 0.3400,  
0.3629

■ 36.0486, 0.4263,  
0.4533

■ 47.8630, 0.3239,  
0.3432

■ 34.5179, 0.4405,  
0.4636

■ 50.3222, 0.3090,  
0.3242


■ 33.0938, 0.4521,  
0.4693

■ 52.9339, 0.2953,  
0.3064

 31.7648, 0.4608,  
0.4706

 55.7022, 0.2829,  
0.2898

 31.4323, 0.4630,  
0.4706

 58.6311, 0.2717,  
0.2744

 60.9560, 0.2681,  
0.2718

 62.8795, 0.2685,  
0.2764

# Harmonies

## Analogous

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



41.3542, 0.3982, 0.3786



41.3542, 0.3748, 0.4031



41.3542, 0.3355, 0.4077

# Triad

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



41.3542, 0.3748, 0.4031



41.3542, 0.2347, 0.3038



41.3542, 0.3297, 0.2800

# Complementary

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



41.3542, 0.3748, 0.4031



23.8582, 0.2487, 0.2417

# 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.



41.3542, 0.2855, 0.2618



41.3542, 0.3748, 0.4031



41.3542, 0.2334, 0.2726

# Square

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



41.3542, 0.3748, 0.4031



41.3542, 0.2553, 0.3464



41.3542, 0.2512, 0.2586



41.3542, 0.3718, 0.3094



# Rectangle

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



41.3542, 0.3748, 0.4031



41.3542, 0.3060, 0.3964



41.3542, 0.2512, 0.2586



41.3542, 0.3145, 0.2725

# Sweetspot

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



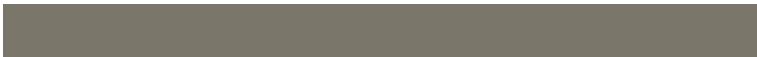
41.3561, 0.3748, 0.4031



84.1702, 0.3298, 0.3505



24.9540, 0.3828, 0.3079



18.4112, 0.3320, 0.3532



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290



# Same Dimension

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



41.3561, 0.3748, 0.4031



71.2611, 0.3897, 0.4190



45.0420, 0.3500, 0.4267



10.7650, 0.3269, 0.3469



21.7738, 0.4623, 0.4711



0.9409, 0.4502, 0.4808



# Inverse Universe

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



23.8582, 0.2487, 0.2417



35.3878, 0.2328, 0.2182



21.6131, 0.2640, 0.2227



9.5470, 0.2984, 0.3104



3.6038, 0.1566, 0.0836



0.2388, 0.1692, 0.1291



# Previews

## White Background



This preview shows how the Yxy color 41.3542, 0.3748, 0.4031 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

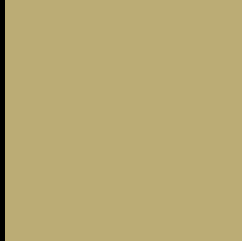
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 41.3542, 0.3748, 0.4031 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

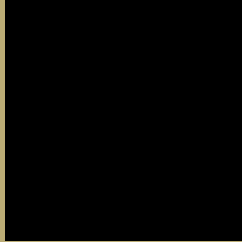
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 41.3542, 0.3748, 0.4031**

## Background



This preview shows how black text looks on a background with the Yxy color 41.3542, 0.3748, 0.4031.



This preview shows how white text looks on a background with the Yxy color 41.3542, 0.3748, 0.4031.

# 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

41.3542, 0.3748, 0.4031

### Protanopia

41.2285, 0.3738, 0.4034

### Deuteranopia

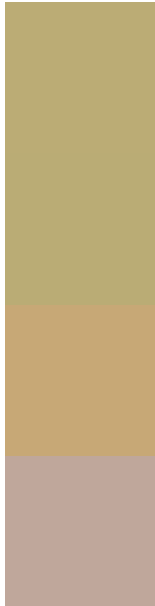
41.3640, 0.3954, 0.3873



## Tritanopia

41.1946, 0.3295, 0.3123

# Trichromacy



## Original Color

41.3542, 0.3748, 0.4031

## Protanomaly

41.2285, 0.3738, 0.4034

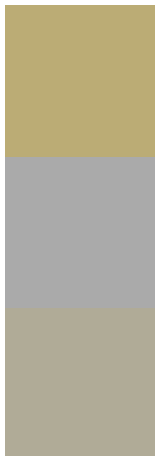
## Deuteranomaly

41.4554, 0.3878, 0.3938

## Tritanomaly

41.0804, 0.3462, 0.3450

# Monochromacy



## Original Color

41.3542, 0.3748, 0.4031

## Achromatopsia

40.1978, 0.3127, 0.3290

## Achromatomaly

40.5903, 0.3345, 0.3568

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 41.3542, 0.3748, 0.4031 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(187, 172, 117)` looks like.

```
.text, #text, p{  
    color:rgb(187, 172, 117)  
}
```

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(187, 172, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 172, 117) }
```

## Border

The CSS property to change the border of an element to Yxy 41.3542, 0.3748, 0.4031 is called "border". The border property can be set on classes, ids or directly on the HTML element.

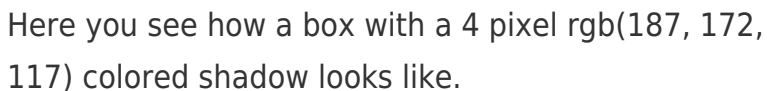
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(187, 172, 117) }
```

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

```
.border{ border-color:rgb(187, 172, 117) }
```

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



Here you see how a box with a 4 pixel `rgb(187, 172, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(187, 172, 117); -webkit-box-shadow:4px 4px 4px 4px rgb(187, 172, 117); box-shadow:4px 4px 4px 4px rgb(187, 172, 117) }
```



# Background

The CSS property to change the background color of an element to Yxy 41.3542, 0.3748, 0.4031 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 172, 117) }
```

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

```
.background{ background-color: rgb(187,  
172, 117) }
```

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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