

# Converting Colors

$Yxy(40.9839, 0.3741, 0.4157)$

Have a look what the booklet for  
Yxy(40.9839, 0.3741, 0.4157)  
contains.

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# Color

**Yxy(40.8367, 0.3743, 0.4152)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B5AD6E
RGB	181, 173, 110
RGB Percent	71%, 68%, 43%
CMY	0.2902, 0.3215, 0.5685
CMYK	0.00, 0.04, 0.39, 0.29
HSL	53°, 32%, 57%
HSV	53°, 39%, 71%
XYZ	36.8140, 40.8367, 20.7036
YIQ	168.2100, 24.9910, -17.8970

# Conversions

## Conversions Part 2

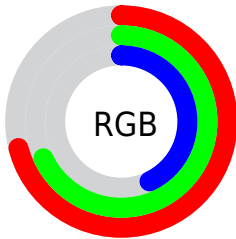
<b>Format</b>	<b>Color</b>
<b>RYB</b>	119, 181, 110
Decimal	11906414
CIELab	70.06, -6.48, 33.37
CIELCh	70, 33.999, 100.995
Yxy	40.8367, 0.3743, 0.4152
Android (android.graphics.Color)	4290096494 (0xFFB5AD6E)
YUV	168.2100, -28.6975, 11.2168
Hunter-Lab	63.9036, -8.9998, 25.5237

# Details

The Yxy color **40.8367, 0.3743, 0.4152** is a light color, and the websafe version is hex **999966**. A complement of this color would be **19.6150, 0.2436, 0.2248**, and the grayscale version is **39.4027, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.2726, 0.3639, 0.3993**, and **18.5237, 0.3905, 0.4402** is the 20% darker color. If you saturate the color by 10%, you get **39.7083, 0.3899, 0.4356**, and if you desaturate by 10%, it is **42.0612, 0.3582, 0.3934**.

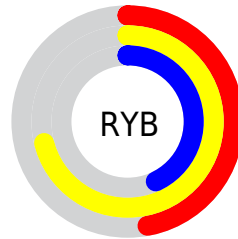
# Distribution



Red (71%)

Green (68%)

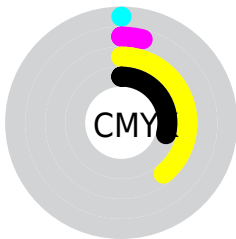
Blue (43%)



Red (47%)

Yellow (71%)

Blue (43%)

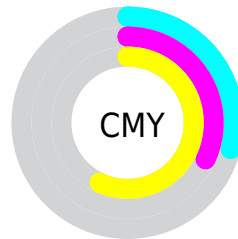


Cyan (0%)

Magenta (4%)

Yellow (39%)

Black (29%)



Cyan (29%)

Magenta (32%)


Yellow (57%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 40.8367, 0.3743, 0.4152 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 40.8367, 0.3743, 0.4152 by changing the saturation by 10% instead.





 40.8367, 0.3743,  
0.4152


 40.8367, 0.3743,  
0.4152


349.6376, 0.3438,  
0.3712


 28.1915, 0.3815,  
0.4262


 76.4359, 0.3634,  
0.3991

 18.4701, 0.3904,  
0.4402


 100.1588, 0.3593,  
0.3931

 11.2880, 0.4015,  
0.4584


 128.3429, 0.3558,  
0.3880

 6.2609, 0.4151,  
0.4825

 161.3728, 0.3527,  
0.3837

 3.0044, 0.4486,  
0.5363

199.6329, 0.3501,  
0.3799

 1.1340, 0.4430,  
0.5570

243.5074, 0.3477,

 0.0068, 0.0000,

0.3766

1.0000

293.3809, 0.3457,  
0.3737

0.0000, 0.0000,  
0.0000

40.8367, 0.3743,  
0.4152

40.8367, 0.3743,  
0.4152

39.7083, 0.3899,  
0.4356

42.0612, 0.3582,  
0.3934

38.6655, 0.4044,  
0.4537

43.3809, 0.3421,  
0.3710

37.7047, 0.4170,  
0.4685


44.8019, 0.3264,  
0.3488


36.8195, 0.4273,  
0.4793


46.3280, 0.3116,  
0.3273

36.0026, 0.4349,  
0.4856


47.9631, 0.2977,  
0.3070


 35.2404, 0.4401,  
0.4882

 49.7106, 0.2849,  
0.2879

 35.1806, 0.4405,  
0.4884

 51.5739, 0.2732,  
0.2703

 53.5562, 0.2625,  
0.2541

 54.4515, 0.2627,  
0.2563

# Harmonies

## Analogous

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



40.8367, 0.4053, 0.3904



40.8367, 0.3743, 0.4152



40.8367, 0.3281, 0.4158

# Triad

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



40.8367, 0.3743, 0.4152



40.8367, 0.2239, 0.2921



40.8367, 0.3415, 0.2800

# Complementary

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



40.8367, 0.3743, 0.4152



19.6150, 0.2436, 0.2248

# 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.



40.8367, 0.2911, 0.2571



40.8367, 0.3743, 0.4152



40.8367, 0.2267, 0.2612

# Square

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



40.8367, 0.3743, 0.4152



40.8367, 0.2425, 0.3385



40.8367, 0.2501, 0.2499



40.8367, 0.3867, 0.3142



# Rectangle

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



40.8367, 0.3743, 0.4152



40.8367, 0.2954, 0.3993



40.8367, 0.2501, 0.2499



40.8367, 0.3245, 0.2709

# Sweetspot

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



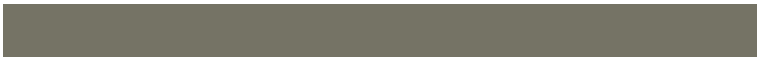
40.8386, 0.3743, 0.4152



79.4661, 0.3310, 0.3554



22.2978, 0.3972, 0.3172



17.1047, 0.3330, 0.3582



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290



# Same Dimension

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



40.8386, 0.3743, 0.4152



71.4022, 0.3877, 0.4329



41.0202, 0.3449, 0.4336



9.7401, 0.3266, 0.3490



24.3192, 0.4402, 0.4886



0.8113, 0.4337, 0.4939



# Inverse Universe

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



19.6150, 0.2436, 0.2248



28.1048, 0.2263, 0.1975



19.8338, 0.2686, 0.2195



8.3791, 0.2985, 0.3082



2.7076, 0.1526, 0.0694



0.1347, 0.1619, 0.1028



# Previews

## White Background



This preview shows how the Yxy color 40.8367, 0.3743, 0.4152 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

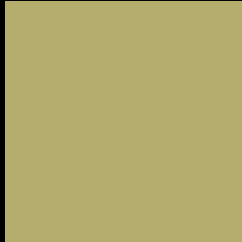
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 40.8367, 0.3743, 0.4152 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

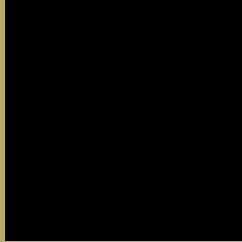
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 40.8367, 0.3743, 0.4152**

## **Background**



This preview shows how black text looks on a background with the Yxy color 40.8367, 0.3743, 0.4152.



This preview shows how white text looks on a background with the Yxy color 40.8367, 0.3743, 0.4152.

# 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

40.8367, 0.3743, 0.4152

### Protanopia

40.6691, 0.3811, 0.4126

### Deuteranopia

40.8426, 0.4024, 0.3946



## Tritanopia

40.9434, 0.3237, 0.3121

# Trichromacy



**Original Color**

40.8367, 0.3743, 0.4152

**Protanomaly**

40.7995, 0.3786, 0.4144

**Deuteranomaly**

40.6554, 0.3926, 0.4019

**Tritanomaly**

40.7443, 0.3430, 0.3493

# Monochromacy



**Original Color**

40.8367, 0.3743, 0.4152

**Achromatopsia**

39.1572, 0.3127, 0.3290

**Achromatomaly**

39.7403, 0.3354, 0.3615

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 40.8367, 0.3743, 0.4152 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(181, 173, 110)` looks like.

```
.text, #text, p{  
    color:rgb(181, 173, 110)  
}
```

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(181, 173, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 173, 110) }
```

## Border

The CSS property to change the border of an element to Yxy 40.8367, 0.3743, 0.4152 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(181, 173, 110) }
```

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

```
.border{ border-color:rgb(181, 173, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 173, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 173, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 173, 110);  
box-shadow:4px 4px 4px 4px rgb(181, 173,  
110) }
```



# Background

The CSS property to change the background color of an element to Yxy 40.8367, 0.3743, 0.4152 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 173, 110) }
```

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

```
.background{ background-color: rgb(181,  
173, 110) }
```

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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