

# Converting Colors

$Y_{xy}(45.7613, 0.3634, 0.4074)$

Have a look what the booklet for  
Yxy(45.7613, 0.3634, 0.4074)  
contains.

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# Color

**Yxy(45.7613, 0.3634, 0.4074)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BAB77C
RGB	186, 183, 124
RGB Percent	73%, 72%, 49%
CMY	0.2706, 0.2823, 0.5138
CMYK	0.00, 0.02, 0.33, 0.27
HSL	57°, 31%, 61%
HSV	57°, 33%, 73%
XYZ	40.8190, 45.7613, 25.7449
YIQ	177.1710, 20.7270, -17.7130

# Conversions

## Conversions Part 2

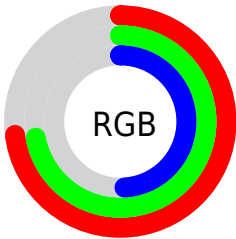
<b>Format</b>	<b>Color</b>
<b>RYB</b>	127, 186, 124
Decimal	12236668
CIELab	73.39, -8.07, 30.45
CIElCh	73, 31.500, 104.842
Yxy	45.7613, 0.3634, 0.4074
Android (android.graphics.Color)	4290426748 (0xFFBAB77C)
YUV	177.1710, -26.2133, 7.7430
Hunter-Lab	67.6471, -10.6736, 24.7885

# Details

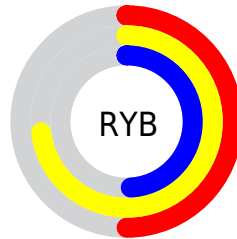
The Yxy color **45.7613, 0.3634, 0.4074** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **22.9998, 0.2543, 0.2363**, and the grayscale version is **44.1931, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.9620, 0.3548, 0.3932**, and **21.3652, 0.3768, 0.4298** is the 20% darker color. If you saturate the color by 10%, you get **44.9683, 0.3783, 0.4299**, and if you desaturate by 10%, it is **46.6495, 0.3480, 0.3838**.

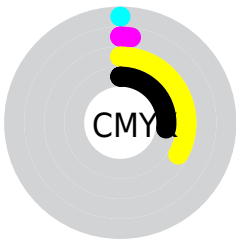
# Distribution



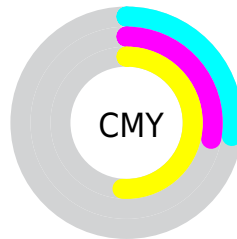
- Red (73%)
- Green (72%)
- Blue (49%)



- Red (50%)
- Yellow (73%)
- Blue (49%)



- Cyan (0%)
- Magenta (2%)
- Yellow (33%)
- Black (27%)




- Cyan (27%)
- Magenta (28%)
- Yellow (51%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.7613, 0.3634, 0.4074 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 45.7613, 0.3634, 0.4074 by changing the saturation by 10% instead.





 45.7613, 0.3634,  
0.4074


 45.7613, 0.3634,  
0.4074


369.8482, 0.3387,  
0.3678


 32.0575, 0.3692,  
0.4172


 83.8616, 0.3547,  
0.3930

 21.4054, 0.3763,  
0.4298


 109.0270, 0.3513,  
0.3876

 13.4207, 0.3853,  
0.4462


 138.7816, 0.3485,  
0.3830

 7.7189, 0.3964,  
0.4684

173.5100, 0.3460,  
0.3791

 3.9156, 0.4111,  
0.5006

213.5964, 0.3438,  
0.3757

 1.6265, 0.4383,  
0.5617

259.4253, 0.3419,

 0.3753, 0.2986,

0.3727

0.7014

311.3811, 0.3403,  
0.3701

0.0000, 0.0000,  
0.0000

45.7613, 0.3634,  
0.4074

45.7613, 0.3634,  
0.4074

44.9683, 0.3783,  
0.4299

46.6495, 0.3480,  
0.3838

44.2594, 0.3921,  
0.4504

47.6314, 0.3326,  
0.3600

43.6310, 0.4041,  
0.4679


48.7132, 0.3176,  
0.3366

43.0771, 0.4140,  
0.4817


49.8991, 0.3033,  
0.3142


42.5905, 0.4212,  
0.4912

51.1929, 0.2899,  
0.2931

 42.1627, 0.4259,  
0.4965

 52.5981, 0.2776,  
0.2734

 41.8991, 0.4280,  
0.4984

 54.1182, 0.2662,  
0.2554

 54.5578, 0.2659,  
0.2556

 54.9471, 0.2660,  
0.2566

# Harmonies

## Analogous

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



45.7613, 0.3932, 0.3882



45.7613, 0.3634, 0.4074



45.7613, 0.3212, 0.4039

# Triad

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



45.7613, 0.3634, 0.4074



45.7613, 0.2320, 0.2919



45.7613, 0.3443, 0.2885

# Complementary

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



45.7613, 0.3634, 0.4074



22.9998, 0.2543, 0.2363

# 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.



45.7613, 0.2992, 0.2661



45.7613, 0.3634, 0.4074



45.7613, 0.2369, 0.2660

# Square

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



45.7613, 0.3634, 0.4074



45.7613, 0.2466, 0.3321



45.7613, 0.2606, 0.2576



45.7613, 0.3826, 0.3204



# Rectangle

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



45.7613, 0.3634, 0.4074



45.7613, 0.2921, 0.3870



45.7613, 0.2606, 0.2576



45.7613, 0.3293, 0.2797

# Sweetspot

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



45.7634, 0.3634, 0.4074



86.9453, 0.3278, 0.3525



26.3844, 0.3852, 0.3248



19.0873, 0.3299, 0.3558



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.



45.7634, 0.3634, 0.4074



81.8857, 0.3744, 0.4240



43.8474, 0.3369, 0.4183



10.4273, 0.3265, 0.3505



28.2234, 0.4278, 0.4985



1.0178, 0.4255, 0.5004



# Inverse Universe

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



22.9998, 0.2543, 0.2363



34.2942, 0.2393, 0.2120



24.6213, 0.2807, 0.2384



8.7869, 0.2984, 0.3065



2.5476, 0.1510, 0.0637



0.1134, 0.1551, 0.0782



# Previews

## White Background



This preview shows how the Yxy color 45.7613, 0.3634, 0.4074 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 45.7613, 0.3634, 0.4074 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

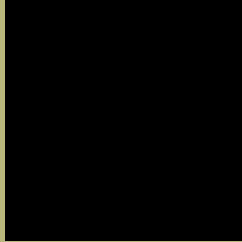
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 45.7613, 0.3634, 0.4074**

## **Background**



This preview shows how black text looks on a background with the Yxy color 45.7613, 0.3634, 0.4074.



This preview shows how white text looks on a background with the Yxy color 45.7613, 0.3634, 0.4074.

# 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

45.7613, 0.3634, 0.4074

### Protanopia

45.6747, 0.3739, 0.4028

### Deuteranopia

45.4585, 0.3942, 0.3850



## Tritanopia

45.8034, 0.3179, 0.3114

# Trichromacy



## Original Color

45.7613, 0.3634, 0.4074

## Protanomaly

45.6843, 0.3707, 0.4047

## Deuteranomaly

45.3687, 0.3826, 0.3934

## Tritanomaly

45.6338, 0.3351, 0.3460

# Monochromacy



## Original Color

45.7613, 0.3634, 0.4074

## Achromatopsia

43.9657, 0.3127, 0.3290

## Achromatomaly

44.4121, 0.3308, 0.3574

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.7613, 0.3634, 0.4074 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(186, 183, 124)` looks like.

```
.text, #text, p{  
    color:rgb(186, 183, 124)  
}
```

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(186, 183, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 183, 124) }
```

## Border

The CSS property to change the border of an element to Yxy 45.7613, 0.3634, 0.4074 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(186, 183, 124) }
```

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

```
.border{ border-color:rgb(186, 183, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 183, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 183, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 183, 124);  
box-shadow:4px 4px 4px 4px rgb(186, 183,  
124) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.7613, 0.3634, 0.4074 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 183, 124) }
```

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

```
.background{ background-color: rgb(186,  
183, 124) }
```

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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