

# Converting Colors

$Yxy(45.6948, 0.3400, 0.4203)$

Have a look what the booklet for  
Yxy(45.6948, 0.3400, 0.4203)  
contains.

|   |    |
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# Color

**Yxy(45.6370, 0.3404, 0.4206)**

# Conversions

## Conversions Part 1

| <b>Format</b> | <b>Color</b>               |
|---------------|----------------------------|
| Hex           | A3BD7C                     |
| RGB           | 163, 189, 124              |
| RGB Percent   | 64%, 74%, 49%              |
| CMY           | 0.3609, 0.2588, 0.5137     |
| CMYK          | 0.14, 0.00, 0.34, 0.26     |
| HSL           | 84°, 33%, 61%              |
| HSV           | 84°, 34%, 74%              |
| XYZ           | 36.9349, 45.6370, 25.9326  |
| YIQ           | 173.8160, 5.3690, -25.7270 |

# Conversions

## Conversions Part 2

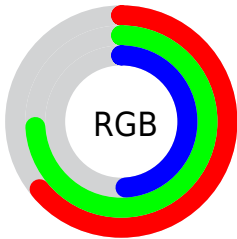
| Format                              | Color  |
|-------------------------------------|--|
| <a href="#">RYB</a>                 | <a href="#">124, 189, 150</a>                                |
| Decimal                             | <a href="#">10730876</a>                                     |
| CIELab                              | <a href="#">73.31, -20.09, 30.01</a>                         |
| CIELCh                              | <a href="#">73, 36.111, 123.795</a>                          |
| Yxy                                 | <a href="#">45.6370, 0.3404, 0.4206</a>                      |
| Android<br>(android.graphics.Color) | <a href="#">4288920956</a><br>( <a href="#">0xFFA3BD7C</a> ) |
| YUV                                 | <a href="#">173.8160, -24.5593, -9.4856</a>                  |
| Hunter-Lab                          | <a href="#">67.5552, -20.6289, 24.5288</a>                   |

# Details

The Yxy color  $45.6370, 0.3404, 0.4206$  is a light color, and the websafe version is hex  $99CC99$ . A complement of this color would be  $24.5809, 0.2762, 0.2343$ , and the grayscale version is  $42.3527, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $83.5392, 0.3366, 0.4028$ , and  $21.4177, 0.3458, 0.4496$  is the 20% darker color. If you saturate the color by 10%, you get  $44.4302, 0.3472, 0.4491$ , and if you desaturate by 10%, it is  $46.9873, 0.3327, 0.3924$ .

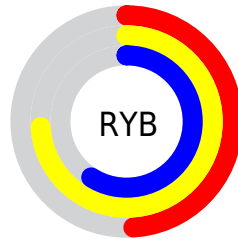
# Distribution



Red (64%)

Green (74%)

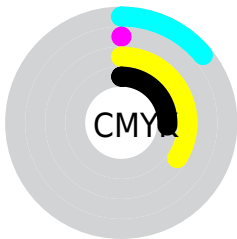
Blue (49%)



Red (49%)

Yellow (74%)

Blue (59%)

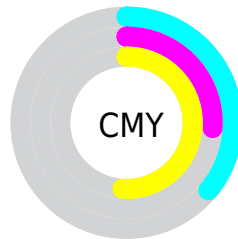


Cyan (14%)

Magenta (0%)

Yellow (34%)

Black (26%)



Cyan (36%)

Magenta (26%)


Yellow (51%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.6370, 0.3404, 0.4206 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 45.6370, 0.3404, 0.4206 by changing the saturation by 10% instead.





 45.6370, 0.3404,  
0.4206


 45.6370, 0.3404,  
0.4206


369.3473, 0.3277,  
0.3732


 31.9595, 0.3431,  
0.4328


 83.6755, 0.3361,  
0.4030

 21.3305, 0.3461,  
0.4487


 108.8052, 0.3344,  
0.3965

 13.3658, 0.3495,  
0.4700


 138.5211, 0.3330,  
0.3911

 7.6809, 0.3527,  
0.4999

173.2076, 0.3316,  
0.3864

 3.8915, 0.3550,  
0.5453

213.2491, 0.3305,  
0.3824

 1.6130, 0.3612,  
0.6388

259.0299, 0.3295,

 0.3664, 0.0000,

0.3789

1.0000

310.9346, 0.3286,  
0.3759

0.0000, 0.0000,  
0.0000

45.6370, 0.3404,  
0.4206

45.6370, 0.3404,  
0.4206

44.4302, 0.3472,  
0.4491

46.9873, 0.3327,  
0.3924

43.3549, 0.3526,  
0.4767

48.4809, 0.3246,  
0.3652

42.4063, 0.3562,  
0.5022

50.1249, 0.3163,  
0.3396

41.5773, 0.3576,  
0.5242


51.9243, 0.3082,  
0.3160


40.8592, 0.3567,  
0.5417


53.8840, 0.3003,  
0.2944


 40.2423, 0.3534,  
0.5541

 56.0083, 0.2928,  
0.2748

 39.9298, 0.3510,  
0.5595

 58.2167, 0.2867,  
0.2585

 59.3968, 0.2922,  
0.2596

 60.6309, 0.2978,  
0.2607

# Harmonies

## Analogous

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



45.6370, 0.3851, 0.4128



45.6370, 0.3404, 0.4206



45.6370, 0.2904, 0.3977

# Triad

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



45.6370, 0.3404, 0.4206



45.6370, 0.2222, 0.2654



45.6370, 0.3788, 0.3047

# Complementary

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



45.6370, 0.3404, 0.4206



24.5809, 0.2762, 0.2343

# 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.



45.6370, 0.3296, 0.2721



45.6370, 0.3404, 0.4206



45.6370, 0.2412, 0.2491

# Square

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



45.6370, 0.3404, 0.4206



45.6370, 0.2246, 0.3014



45.6370, 0.2793, 0.2522



45.6370, 0.4096, 0.3441



# Rectangle

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



45.6370, 0.3404, 0.4206



45.6370, 0.2608, 0.3681



45.6370, 0.2793, 0.2522



45.6370, 0.3636, 0.2928

# Sweetspot

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



45.6390, 0.3404, 0.4206



88.0288, 0.3211, 0.3542



34.0915, 0.3804, 0.3650



18.8425, 0.3223, 0.3578



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

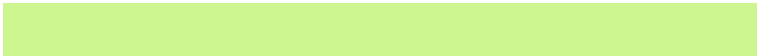


# Same Dimension

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



45.6390, 0.3404, 0.4206



80.1307, 0.3454, 0.4413



42.6422, 0.3130, 0.4289



10.9247, 0.3204, 0.3521



26.9074, 0.3518, 0.5589



1.0911, 0.3680, 0.5460



# Inverse Universe

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



24.5809, 0.2762, 0.2343



36.9286, 0.2664, 0.2119



28.0993, 0.3098, 0.2431



9.4069, 0.3045, 0.3057



3.5404, 0.1857, 0.0797



0.1769, 0.2141, 0.0953



# Previews

## White Background



This preview shows how the Yxy color 45.6370, 0.3404, 0.4206 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 45.6370, 0.3404, 0.4206 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

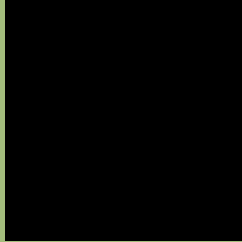
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 45.6370, 0.3404, 0.4206**

## **Background**



This preview shows how black text looks on a background with the Yxy color 45.6370, 0.3404, 0.4206.



This preview shows how white text looks on a background with the Yxy color 45.6370, 0.3404, 0.4206.

# 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

45.6370, 0.3404, 0.4206

### Protanopia

45.6007, 0.3764, 0.4066

### Deuteranopia

45.3597, 0.3915, 0.3829



## Tritanopia

45.4669, 0.2953, 0.3093

# Trichromacy



**Original Color**

45.6370, 0.3404, 0.4206

**Protanomaly**

45.3147, 0.3630, 0.4121

**Deuteranomaly**

44.9752, 0.3714, 0.3953

**Tritanomaly**

45.1666, 0.3118, 0.3481

# Monochromacy



**Original Color**

45.6370, 0.3404, 0.4206

**Achromatopsia**

42.3268, 0.3127, 0.3290

**Achromatomaly**

43.1865, 0.3235, 0.3610

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.6370, 0.3404, 0.4206 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(163, 189, 124)` looks like.

```
.text, #text, p{  
    color:rgb(163, 189, 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(163, 189, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 189, 124) }
```

## Border

The CSS property to change the border of an element to Yxy 45.6370, 0.3404, 0.4206 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(163, 189, 124) }
```

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

```
.border{ border-color:rgb(163, 189, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 189, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 189, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 189, 124);  
box-shadow:4px 4px 4px 4px rgb(163, 189,  
124) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.6370, 0.3404, 0.4206 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 189, 124) }
```

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

```
.background{ background-color: rgb(163,  
189, 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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