

# Converting Colors

$Y_{xy}(45.9025, 0.3544, 0.3944)$

Have a look what the booklet for  
Yxy(45.9025, 0.3544, 0.3944)  
contains.

<b>Yxy(45.9025, 0.3544, 0.3944)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(45.9025, 0.3544, 0.3944)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B9B786
RGB	185, 183, 134
RGB Percent	73%, 72%, 53%
CMY	0.2744, 0.2824, 0.4745
CMYK	0.00, 0.01, 0.28, 0.27
HSL	58°, 27%, 63%
HSV	58°, 28%, 73%
XYZ	41.2471, 45.9025, 29.2361
YIQ	178.0120, 16.9210, -14.8150

# Conversions

## Conversions Part 2

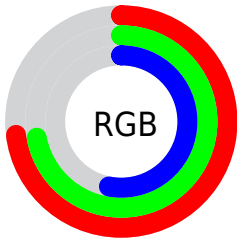
Format	Color
R <sub>Y</sub> B	136, 185, 134
Decimal	12171142
CIE Lab	73.48, -7.15, 25.25
CIE LCh	73, 26.245, 105.811
Yxy	45.9025, 0.3544, 0.3944
Android (android.graphics.Color)	4290361222 (0xFFB9B786)
YUV	178.0120, -21.6979, 6.1285
Hunter-Lab	67.7514, -9.8940, 21.8411

# Details

The Yxy color  $45.9025, 0.3544, 0.3944$  is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be  $26.1825, 0.2657, 0.2540$ , and the grayscale version is  $44.6397, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $84.2411, 0.3471, 0.3819$ , and  $21.4307, 0.3650, 0.4129$  is the 20% darker color. If you saturate the color by 10%, you get  $45.1312, 0.3695, 0.4178$ , and if you desaturate by 10%, it is  $46.7698, 0.3390, 0.3704$ .

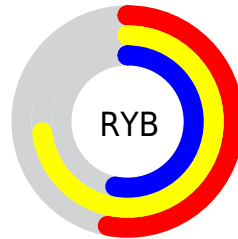
# Distribution



Red (73%)

Green (72%)

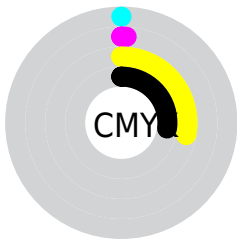
Blue (53%)



Red (53%)

Yellow (73%)

Blue (53%)

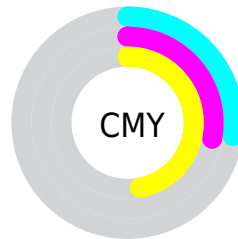


Cyan (0%)

Magenta (1%)

Yellow (28%)

Black (27%)



Cyan (27%)

Magenta (28%)


Yellow (47%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.9025, 0.3544, 0.3944 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 45.9025, 0.3544, 0.3944 by changing the saturation by 10% instead.




 45.9025, 0.3544,  
0.3944

 45.9025, 0.3544,  
0.3944


370.4165, 0.3340,  
0.3613

 32.1689, 0.3593,  
0.4027


 84.0731, 0.3471,  
0.3823

 21.4905, 0.3654,  
0.4134


 109.2788, 0.3443,  
0.3778

 13.4830, 0.3732,  
0.4274


 139.0774, 0.3420,  
0.3740

 7.7620, 0.3834,  
0.4468

173.8532, 0.3399,  
0.3707

 3.9430, 0.3967,  
0.4747

213.9906, 0.3381,  
0.3679

 1.6417, 0.4441,  
0.5559

259.8740, 0.3366,

 0.3855, 0.3323,

0.3654

0.6677

311.8879, 0.3352,  
0.3632

0.0000, 0.0000,  
0.0000

45.9025, 0.3544,  
0.3944

45.9025, 0.3544,  
0.3944

45.1312, 0.3695,  
0.4178

46.7698, 0.3390,  
0.3704

44.4451, 0.3839,  
0.4397

47.7313, 0.3238,  
0.3466

43.8410, 0.3968,  
0.4591

48.7931, 0.3093,  
0.3235

43.3133, 0.4077,  
0.4752

49.9591, 0.2955,  
0.3016

42.8555, 0.4163,  
0.4873

51.2330, 0.2827,  
0.2811

■ 42.4602, 0.4222,  
0.4951

■ 52.6181, 0.2709,  
0.2622

■ 42.1162, 0.4257,  
0.4989

■ 53.5579, 0.2650,  
0.2531

■ 42.0360, 0.4264,  
0.4996

■ 53.8721, 0.2651,  
0.2539

■ 54.1877, 0.2651,  
0.2548

# Harmonies

## Analogous

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



45.9025, 0.3794, 0.3798



45.9025, 0.3544, 0.3944



45.9025, 0.3191, 0.3901

# Triad

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



45.9025, 0.3544, 0.3944



45.9025, 0.2446, 0.2977



45.9025, 0.3404, 0.2957

# Complementary

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



45.9025, 0.3544, 0.3944



26.1825, 0.2657, 0.2540

# 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.



45.9025, 0.3029, 0.2762



45.9025, 0.3544, 0.3944



45.9025, 0.2493, 0.2759

# Square

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



45.9025, 0.3544, 0.3944



45.9025, 0.2566, 0.3308



45.9025, 0.2700, 0.2688



45.9025, 0.3716, 0.3232



# Rectangle

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



45.9025, 0.3544, 0.3944



45.9025, 0.2947, 0.3758



45.9025, 0.2700, 0.2688



45.9025, 0.3280, 0.2881

# Sweetspot

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



45.9046, 0.3544, 0.3944



85.3662, 0.3247, 0.3479



29.1572, 0.3687, 0.3256



18.3454, 0.3269, 0.3514



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290



# Same Dimension

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



45.9046, 0.3544, 0.3944



81.3503, 0.3635, 0.4085



44.1147, 0.3330, 0.4017



10.4407, 0.3265, 0.3507



28.6418, 0.4263, 0.4997



1.0287, 0.4243, 0.5013



# Inverse Universe

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



26.1825, 0.2657, 0.2540



40.2637, 0.2538, 0.2348



27.7145, 0.2873, 0.2554



8.7750, 0.2984, 0.3063



2.5188, 0.1509, 0.0630

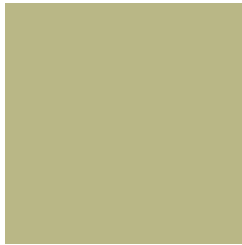


0.1082, 0.1542, 0.0751



# Previews

## White Background



This preview shows how the Yxy color 45.9025, 0.3544, 0.3944 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 45.9025, 0.3544, 0.3944 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

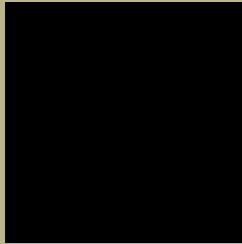
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 45.9025, 0.3544, 0.3944**

## **Background**



This preview shows how black text looks on a background with the Yxy color 45.9025, 0.3544, 0.3944.



This preview shows how white text looks on a background with the Yxy color 45.9025, 0.3544, 0.3944.

# 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

45.9025, 0.3544, 0.3944

### Protanopia

45.8053, 0.3646, 0.3902

### Deuteranopia

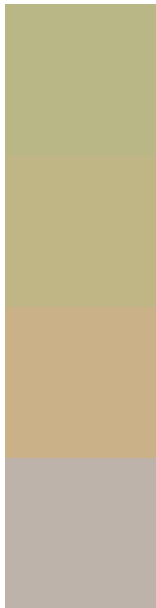
45.6618, 0.3819, 0.3747



## Tritanopia

45.9748, 0.3153, 0.3113

# Trichromacy



**Original Color**

45.9025, 0.3544, 0.3944

**Protanomaly**

45.8176, 0.3615, 0.3920

**Deuteranomaly**

45.7501, 0.3716, 0.3825

**Tritanomaly**

45.9613, 0.3289, 0.3407

# Monochromacy



**Original Color**

45.9025, 0.3544, 0.3944

**Achromatopsia**

44.5201, 0.3127, 0.3290

**Achromatomaly**

45.0749, 0.3282, 0.3531

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.9025, 0.3544, 0.3944 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(185, 183, 134)` looks like.

```
.text, #text, p{  
    color:rgb(185, 183, 134)  
}
```

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(185, 183, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 183, 134) }
```

## Border

The CSS property to change the border of an element to Yxy 45.9025, 0.3544, 0.3944 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(185, 183, 134) }
```

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

```
.border{ border-color:rgb(185, 183, 134) }
```

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

Here you see how a box with a 4 pixel rgb(185, 183, 134) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 183, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 183, 134);  
box-shadow:4px 4px 4px 4px rgb(185, 183,  
134) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.9025, 0.3544, 0.3944 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 183, 134) }
```

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

```
.background{ background-color: rgb(185,  
183, 134) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor