

# Converting Colors

$Y_{xy}(45.0085, 0.3536, 0.3925)$

Have a look what the booklet for  
Yxy(45.0085, 0.3536, 0.3925)  
contains.

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# Color

**Yxy(44.9593, 0.3541, 0.3922)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B8B586
RGB	184, 181, 134
RGB Percent	72%, 71%, 53%
CMY	0.2784, 0.2902, 0.4746
CMYK	0.00, 0.02, 0.27, 0.28
HSL	56°, 26%, 62%
HSV	56°, 27%, 72%
XYZ	40.5918, 44.9593, 29.0825
YIQ	176.5390, 16.8750, -13.9810

# Conversions

## Conversions Part 2

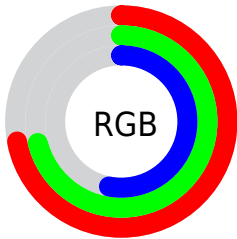
<b>Format</b>	<b>Color</b>
<b>RYB</b>	137, 184, 134
Decimal	12105094
CIELab	72.87, -6.51, 24.41
CIELCh	73, 25.266, 104.922
Yxy	44.9593, 0.3541, 0.3922
Android (android.graphics.Color)	4290295174 (0xFFB8B586)
YUV	176.5390, -20.9717, 6.5433
Hunter-Lab	67.0517, -9.2801, 21.2201

# Details

The Yxy color  $44.9593, 0.3541, 0.3922$  is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be  $26.4070, 0.2667, 0.2568$ , and the grayscale version is  $43.8170, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $82.8570, 0.3474, 0.3811$ , and  $20.8243, 0.3648, 0.4101$  is the 20% darker color. If you saturate the color by 10%, you get  $44.0466, 0.3695, 0.4152$ , and if you desaturate by 10%, it is  $45.9688, 0.3385, 0.3686$ .

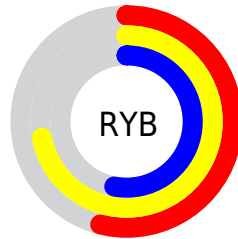
# Distribution



Red (72%)

Green (71%)

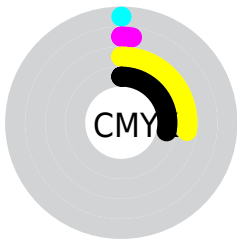
Blue (53%)



Red (54%)

Yellow (72%)

Blue (53%)

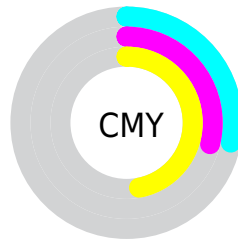


Cyan (0%)

Magenta (2%)

Yellow (27%)

Black (28%)



Cyan (28%)

Magenta (29%)

Yellow (47%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.9593, 0.3541, 0.3922 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 44.9593, 0.3541, 0.3922 by changing the saturation by 10% instead.



■ 44.9593, 0.3541,  
0.3922

■ 44.9593, 0.3541,  
0.3922

366.6087, 0.3337,  
0.3601

■ 31.4254, 0.3590,  
0.4003

■ 82.6593, 0.3468,  
0.3805

■ 20.9230, 0.3652,  
0.4107

■ 107.5942, 0.3440,  
0.3761

■ 13.0677, 0.3732,  
0.4244

■ 137.0982, 0.3417,  
0.3724

■ 7.4752, 0.3836,  
0.4434

171.5557, 0.3396,  
0.3692

■ 3.7610, 0.3974,  
0.4709

211.3511, 0.3378,  
0.3665

■ 1.5408, 0.4472,  
0.5528

256.8688, 0.3363,

■ 0.3172, 0.3102,

0.3641

0.6898

308.4932, 0.3349,  
0.3620

0.0000, 0.0000,  
0.0000

44.9593, 0.3541,  
0.3922

44.9593, 0.3541,  
0.3922

44.0466, 0.3695,  
0.4152

45.9688, 0.3385,  
0.3686

43.2202, 0.3843,  
0.4369

47.0735, 0.3233,  
0.3453

42.4769, 0.3977,  
0.4562

48.2794, 0.3087,  
0.3228

41.8112, 0.4093,  
0.4723

49.5902, 0.2950,  
0.3014

41.2167, 0.4185,  
0.4843

51.0095, 0.2822,  
0.2814

■ 40.6862, 0.4251,  
0.4921

■ 52.5408, 0.2706,  
0.2630

■ 40.2091, 0.4292,  
0.4959

■ 53.6767, 0.2644,  
0.2536

■ 40.0790, 0.4301,  
0.4967

■ 54.1504, 0.2645,  
0.2549

■ 54.6276, 0.2646,  
0.2562

# Harmonies

## Analogous

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



44.9593, 0.3778, 0.3777



44.9593, 0.3541, 0.3922



44.9593, 0.3200, 0.3885

# Triad

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



44.9593, 0.3541, 0.3922



44.9593, 0.2466, 0.2995



44.9593, 0.3385, 0.2960

# Complementary

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



44.9593, 0.3541, 0.3922



26.4070, 0.2667, 0.2568

# 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.



44.9593, 0.3021, 0.2773



44.9593, 0.3541, 0.3922



44.9593, 0.2508, 0.2779

# Square

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



44.9593, 0.3541, 0.3922



44.9593, 0.2589, 0.3318



44.9593, 0.2705, 0.2705



44.9593, 0.3690, 0.3226



# Rectangle

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



44.9593, 0.3541, 0.3922



44.9593, 0.2963, 0.3751



44.9593, 0.2705, 0.2705



44.9593, 0.3265, 0.2886

# Sweetspot

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



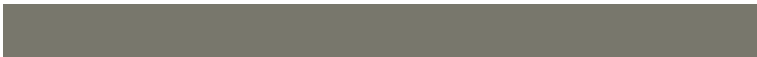
44.9613, 0.3541, 0.3922



85.1404, 0.3247, 0.3475



29.0477, 0.3666, 0.3244



18.2878, 0.3270, 0.3510



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.



44.9613, 0.3541, 0.3922



80.4343, 0.3640, 0.4070



43.7147, 0.3334, 0.4004



10.4090, 0.3265, 0.3503



27.6607, 0.4300, 0.4968



1.0031, 0.4270, 0.4992



# Inverse Universe

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



26.4070, 0.2667, 0.2568



40.8362, 0.2541, 0.2368



27.5364, 0.2870, 0.2564



8.8033, 0.2984, 0.3068



2.5868, 0.1513, 0.0645

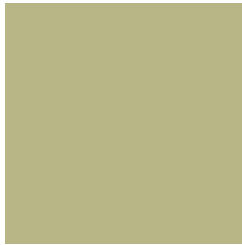


0.1205, 0.1562, 0.0824



# Previews

## White Background



This preview shows how the Yxy color 44.9593, 0.3541, 0.3922 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

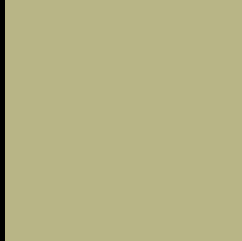
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 44.9593, 0.3541, 0.3922 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

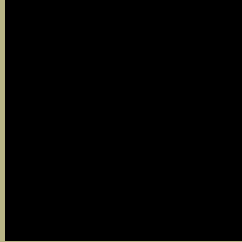
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 44.9593, 0.3541, 0.3922**

## Background



This preview shows how black text looks on a background with the Yxy color 44.9593, 0.3541, 0.3922.



This preview shows how white text looks on a background with the Yxy color 44.9593, 0.3541, 0.3922.

# 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

44.9593, 0.3541, 0.3922

### Protanopia

45.1401, 0.3631, 0.3894

### Deuteranopia

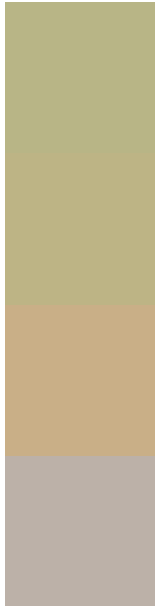
44.6050, 0.3809, 0.3727



## Tritanopia

44.9793, 0.3162, 0.3112

# Trichromacy



## Original Color

44.9593, 0.3541, 0.3922

## Protanomaly

45.1548, 0.3599, 0.3912

## Deuteranomaly

44.8267, 0.3715, 0.3803

## Tritanomaly

44.9628, 0.3300, 0.3408

# Monochromacy



## Original Color

44.9593, 0.3541, 0.3922

## Achromatopsia

43.9657, 0.3127, 0.3290

## Achromatomaly

44.1173, 0.3285, 0.3519

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.9593, 0.3541, 0.3922 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(184, 181, 134)` looks like.

```
.text, #text, p{  
    color:rgb(184, 181, 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(184, 181, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 181, 134) }
```

## Border

The CSS property to change the border of an element to Yxy 44.9593, 0.3541, 0.3922 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(184, 181, 134) }
```

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

```
.border{ border-color:rgb(184, 181, 134) }
```

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

Here you see how a box with a 4 pixel rgb(184, 181, 134) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 181, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 181, 134);  
box-shadow:4px 4px 4px 4px rgb(184, 181,  
134) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.9593, 0.3541, 0.3922 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 181, 134) }
```

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

```
.background{ background-color: rgb(184,  
181, 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](#).

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