

# Converting Colors

$Yxy(45.3062, 0.3497, 0.3862)$

Have a look what the booklet for  
Yxy(45.3062, 0.3497, 0.3862)  
contains.

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# Color

**Yxy(45.5103, 0.3496, 0.3866)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B8B68B
RGB	184, 182, 139
RGB Percent	72%, 71%, 55%
CMY	0.2785, 0.2862, 0.4548
CMYK	0.00, 0.01, 0.24, 0.28
HSL	57°, 24%, 63%
HSV	57°, 24%, 72%
XYZ	41.1547, 45.5103, 31.0544
YIQ	177.6960, 14.9950, -12.9490

# Conversions

## Conversions Part 2

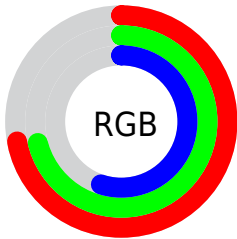
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	141, 184, 139
Decimal	12105355
CIE Lab	73.23, -6.33, 22.19
CIE LCh	73, 23.076, 105.926
Yxy	45.5103, 0.3496, 0.3866
Android (android.graphics.Color)	4290295435 (0xFFB8B68B)
YUV	177.6960, -19.0771, 5.5286
Hunter-Lab	67.4613, -9.1636, 19.9301

# Details

The Yxy color **45.5103, 0.3496, 0.3866** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **28.0062, 0.2718, 0.2641**, and the grayscale version is **44.4498, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.5246, 0.3426, 0.3759**, and **21.1676, 0.3587, 0.4027** is the 20% darker color. If you saturate the color by 10%, you get **44.6879, 0.3649, 0.4102**, and if you desaturate by 10%, it is **46.4292, 0.3342, 0.3627**.

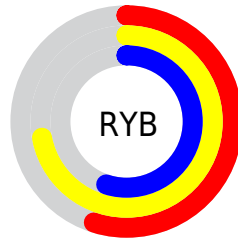
# Distribution



Red (72%)

Green (71%)

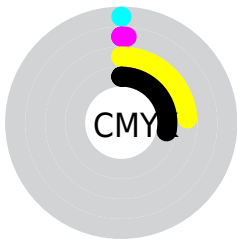
Blue (55%)



Red (55%)

Yellow (72%)

Blue (55%)

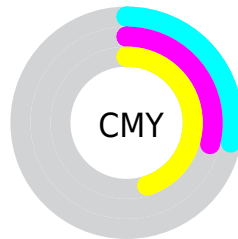


Cyan (0%)

Magenta (1%)

Yellow (24%)

Black (28%)



Cyan (28%)

Magenta (29%)


Yellow (45%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.5103, 0.3496, 0.3866 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 45.5103, 0.3496, 0.3866 by changing the saturation by 10% instead.




 45.5103, 0.3496,  
0.3866

 45.5103, 0.3496,  
0.3866


368.8364, 0.3314,  
0.3574

 31.8596, 0.3540,  
0.3940


 83.4856, 0.3431,  
0.3759

 21.2543, 0.3596,  
0.4034


 108.5790, 0.3406,  
0.3719

 13.3100, 0.3667,  
0.4160


 138.2554, 0.3385,  
0.3686

 7.6423, 0.3763,  
0.4336

172.8992, 0.3367,  
0.3657

 3.8670, 0.3892,  
0.4592

212.8948, 0.3351,  
0.3632

 1.5994, 0.4423,  
0.5432

258.6266, 0.3337,

 0.3572, 0.3411,

0.3610

0.6589

310.4790, 0.3325,  
0.3591

0.0000, 0.0000,  
0.0000

45.5103, 0.3496,  
0.3866

45.5103, 0.3496,  
0.3866

44.6879, 0.3649,  
0.4102

46.4292, 0.3342,  
0.3627

43.9515, 0.3796,  
0.4326

47.4427, 0.3192,  
0.3392

43.2980, 0.3931,  
0.4528

48.5568, 0.3048,  
0.3165

42.7220, 0.4049,  
0.4700

49.7752, 0.2913,  
0.2952

42.2176, 0.4143,  
0.4834

51.1015, 0.2789,  
0.2753

■ 41.7777, 0.4212,  
0.4925

■ 52.5390, 0.2674,  
0.2570

■ 41.3938, 0.4255,  
0.4974

■ 53.2372, 0.2642,  
0.2524

■ 41.1943, 0.4272,  
0.4990

■ 53.5835, 0.2643,  
0.2534

■ 53.9317, 0.2644,  
0.2543

# Harmonies

## Analogous

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



45.5103, 0.3715, 0.3742



45.5103, 0.3496, 0.3866



45.5103, 0.3184, 0.3824

# Triad

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



45.5103, 0.3496, 0.3866



45.5103, 0.2522, 0.3015



45.5103, 0.3373, 0.2995

# Complementary

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



45.5103, 0.3496, 0.3866



28.0062, 0.2718, 0.2641

# 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.



45.5103, 0.3043, 0.2821



45.5103, 0.3496, 0.3866



45.5103, 0.2565, 0.2820

# Square

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



45.5103, 0.3496, 0.3866



45.5103, 0.2630, 0.3307



45.5103, 0.2750, 0.2755



45.5103, 0.3646, 0.3242



# Rectangle

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



45.5103, 0.3496, 0.3866



45.5103, 0.2969, 0.3699



45.5103, 0.2750, 0.2755



45.5103, 0.3265, 0.2927

# Sweetspot

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



45.5123, 0.3496, 0.3866



85.5066, 0.3232, 0.3454



30.5956, 0.3604, 0.3260



18.4096, 0.3240, 0.3468



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.



45.5123, 0.3496, 0.3866



81.7420, 0.3574, 0.3986



44.0070, 0.3308, 0.3928



10.4337, 0.3265, 0.3506



28.4237, 0.4271, 0.4991



1.0230, 0.4249, 0.5008



# Inverse Universe

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



28.0062, 0.2718, 0.2641



44.8225, 0.2620, 0.2484



29.3335, 0.2908, 0.2646



8.7812, 0.2984, 0.3064



2.5338, 0.1509, 0.0634



0.1109, 0.1547, 0.0767



# Previews

## White Background



This preview shows how the Yxy color 45.5103, 0.3496, 0.3866 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

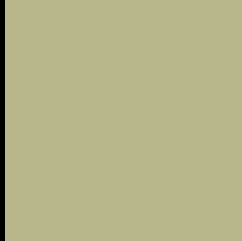
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 45.5103, 0.3496, 0.3866 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

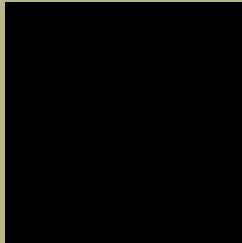
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

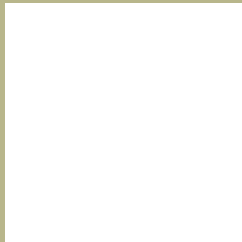
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 45.5103, 0.3496, 0.3866**

## **Background**



This preview shows how black text looks on a background with the Yxy color 45.5103, 0.3496, 0.3866.



This preview shows how white text looks on a background with the Yxy color 45.5103, 0.3496, 0.3866.

# 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

45.5103, 0.3496, 0.3866

### Protanopia

45.2816, 0.3589, 0.3828

### Deuteranopia

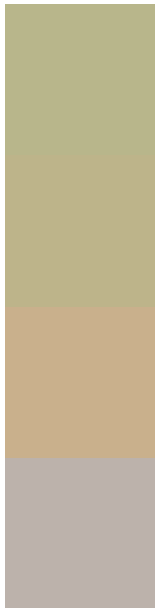
45.5119, 0.3755, 0.3689



## Tritanopia

45.2812, 0.3144, 0.3112

# Trichromacy



## Original Color

45.5103, 0.3496, 0.3866

## Protanomaly

45.2963, 0.3557, 0.3846

## Deuteranomaly

45.3616, 0.3667, 0.3751

## Tritanomaly

45.4724, 0.3273, 0.3382

# Monochromacy



## Original Color

45.5103, 0.3496, 0.3866

## Achromatopsia

44.5201, 0.3127, 0.3290

## Achromatomaly

44.6238, 0.3258, 0.3491

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.5103, 0.3496, 0.3866 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, 182, 139)` looks like.

```
.text, #text, p{  
    color:rgb(184, 182, 139)  
}
```

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, 182, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 182, 139) }
```

## Border

The CSS property to change the border of an element to Yxy 45.5103, 0.3496, 0.3866 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, 182, 139) }
```

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

```
.border{ border-color:rgb(184, 182, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 182, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 182, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 182, 139);  
box-shadow:4px 4px 4px 4px rgb(184, 182,  
139) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.5103, 0.3496, 0.3866 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 182, 139) }
```

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

```
.background{ background-color: rgb(184,  
182, 139) }
```

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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