

# Converting Colors

$Y_{xy}(45.6400, 0.3405, 0.3908)$

Have a look what the booklet for  
Yxy(45.6400, 0.3405, 0.3908)  
contains.

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# Color

**Yxy(45.7053, 0.3398, 0.3906)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AFB98C
RGB	175, 185, 140
RGB Percent	69%, 73%, 55%
CMY	0.3138, 0.2745, 0.4509
CMYK	0.05, 0.00, 0.24, 0.27
HSL	73°, 24%, 64%
HSV	73°, 24%, 73%
XYZ	39.7610, 45.7053, 31.5467
YIQ	176.8800, 8.4850, -16.1150

# Conversions

## Conversions Part 2

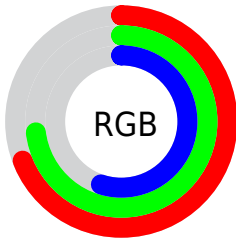
Format	Color
<a href="#">RYB</a>	<a href="#">140, 185, 150</a>
Decimal	<a href="#">11516300</a>
CIELab	<a href="#">73.35, -11.20, 21.72</a>
CIELCh	<a href="#">73, 24.435, 117.280</a>
Yxy	<a href="#">45.7053, 0.3398, 0.3906</a>
Android (android.graphics.Color)	<a href="#">4289706380 (0xFFAFB98C)</a>
YUV	<a href="#">176.8800, -18.1818, -1.6488</a>
Hunter-Lab	<a href="#">67.6057, -13.3285, 19.6576</a>

# Details

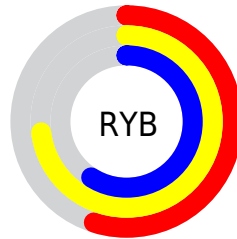
The Yxy color **45.7053, 0.3398, 0.3906** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **28.7551, 0.2811, 0.2631**, and the grayscale version is **43.9949, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.7946, 0.3351, 0.3787**, and **21.3783, 0.3462, 0.4084** is the 20% darker color. If you saturate the color by 10%, you get **44.7370, 0.3506, 0.4171**, and if you desaturate by 10%, it is **46.7840, 0.3286, 0.3645**.

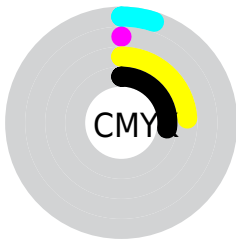
# Distribution



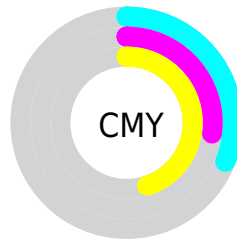
- Red (69%)
- Green (73%)
- Blue (55%)



- Red (55%)
- Yellow (73%)
- Blue (59%)



- Cyan (5%)
- Magenta (0%)
- Yellow (24%)
- Black (27%)




- Cyan (31%)
- Magenta (27%)
- Yellow (45%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.7053, 0.3398, 0.3906 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 45.7053, 0.3398, 0.3906 by changing the saturation by 10% instead.




 45.7053, 0.3398,  
0.3906

 45.7053, 0.3398,  
0.3906


369.6226, 0.3267,  
0.3591

 32.0133, 0.3429,  
0.3987


 83.7778, 0.3352,  
0.3790

 21.3717, 0.3468,  
0.4091


 108.9271, 0.3334,  
0.3747

 13.3960, 0.3516,  
0.4231


 138.6643, 0.3318,  
0.3710

 7.7018, 0.3579,  
0.4429


173.3738, 0.3305,  
0.3680

 3.9047, 0.3659,  
0.4725

213.4400, 0.3294,  
0.3653

 1.6204, 0.4052,  
0.5630

259.2472, 0.3284,

 0.3713, 0.1764,

0.3629

0.8236

311.1800, 0.3275,  
0.3609

0.0000, 0.0000,  
0.0000

45.7053, 0.3398,  
0.3906

45.7053, 0.3398,  
0.3906

44.7370, 0.3506,  
0.4171

46.7840, 0.3286,  
0.3645

43.8682, 0.3605,  
0.4432

47.9714, 0.3175,  
0.3394

43.0959, 0.3691,  
0.4678

49.2736, 0.3066,  
0.3158

42.4146, 0.3758,  
0.4899

50.6946, 0.2962,  
0.2938

41.8178, 0.3802,  
0.5084

52.2380, 0.2864,  
0.2737

■ 41.2984, 0.3821,  
0.5225

■ 53.9073, 0.2773,  
0.2554

■ 40.8476, 0.3815,  
0.5320

■ 54.7344, 0.2777,  
0.2522

■ 40.6117, 0.3804,  
0.5361

■ 55.3238, 0.2807,  
0.2529

■ 55.9288, 0.2836,  
0.2535

# Harmonies

## Analogous

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



45.7053, 0.3677, 0.3834



45.7053, 0.3398, 0.3906



45.7053, 0.3056, 0.3790

# Triad

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



45.7053, 0.3398, 0.3906



45.7053, 0.2487, 0.2906



45.7053, 0.3510, 0.3071

# Complementary

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



45.7053, 0.3398, 0.3906



28.7551, 0.2811, 0.2631

# 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.



45.7053, 0.3170, 0.2853



45.7053, 0.3398, 0.3906



45.7053, 0.2592, 0.2751

# Square

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



45.7053, 0.3398, 0.3906



45.7053, 0.2541, 0.3182



45.7053, 0.2835, 0.2737



45.7053, 0.3749, 0.3346



# Rectangle

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



45.7053, 0.3398, 0.3906



45.7053, 0.2840, 0.3619



45.7053, 0.2835, 0.2737



45.7053, 0.3402, 0.2990

# Sweetspot

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



45.7073, 0.3398, 0.3906



85.2936, 0.3206, 0.3463



33.9492, 0.3595, 0.3427



18.3600, 0.3212, 0.3478



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.



45.7073, 0.3398, 0.3906



80.9350, 0.3454, 0.4043



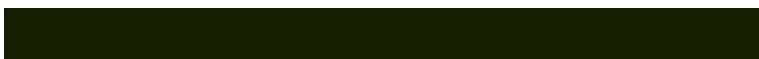
43.3448, 0.3202, 0.3946



10.3998, 0.3230, 0.3518



27.6841, 0.3809, 0.5357



1.0012, 0.3914, 0.5274



# Inverse Universe

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



28.7551, 0.2811, 0.2631



45.4909, 0.2730, 0.2471



31.0671, 0.3027, 0.2671



8.8134, 0.3018, 0.3056



2.7363, 0.1628, 0.0670



0.1244, 0.1893, 0.0817



# Previews

## White Background



This preview shows how the Yxy color 45.7053, 0.3398, 0.3906 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 45.7053, 0.3398, 0.3906 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

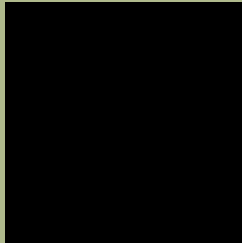
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

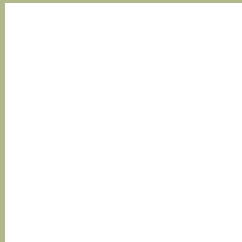
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 45.7053, 0.3398, 0.3906**

## Background



This preview shows how black text looks on a background with the Yxy color 45.7053, 0.3398, 0.3906.



This preview shows how white text looks on a background with the Yxy color 45.7053, 0.3398, 0.3906.

# 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

45.7053, 0.3398, 0.3906

### Protanopia

45.6840, 0.3585, 0.3841

### Deuteranopia

45.5719, 0.3737, 0.3664



## Tritanopia

45.5916, 0.3050, 0.3109

# Trichromacy



## Original Color

45.7053, 0.3398, 0.3906

## Protanomaly

45.7591, 0.3515, 0.3863

## Deuteranomaly

45.2676, 0.3608, 0.3743

## Tritanomaly

45.6486, 0.3174, 0.3396

# Monochromacy



## Original Color

45.7053, 0.3398, 0.3906

## Achromatopsia

43.9657, 0.3127, 0.3290

## Achromatomaly

44.5530, 0.3221, 0.3507

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.7053, 0.3398, 0.3906 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(175, 185, 140)` looks like.

```
.text, #text, p{  
    color:rgb(175, 185, 140)  
}
```

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(175, 185, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 185, 140) }
```

## Border

The CSS property to change the border of an element to Yxy 45.7053, 0.3398, 0.3906 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(175, 185, 140) }
```

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

```
.border{ border-color:rgb(175, 185, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 185, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 185, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 185, 140);  
box-shadow:4px 4px 4px 4px rgb(175, 185,  
140) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.7053, 0.3398, 0.3906 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 185, 140) }
```

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

```
.background{ background-color: rgb(175,  
185, 140) }
```

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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