

# Converting Colors

$Y_{xy}(44.7408, 0.3573, 0.4313)$

Have a look what the booklet for  
Yxy(44.7408, 0.3573, 0.4313)  
contains.

<b>Yxy(44.8337, 0.3566, 0.4314)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(44.8337, 0.3566, 0.4314)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AABA70
RGB	170, 186, 112
RGB Percent	67%, 73%, 44%
CMY	0.3334, 0.2706, 0.5607
CMYK	0.09, 0.00, 0.40, 0.27
HSL	73°, 35%, 58%
HSV	73°, 40%, 73%
XYZ	37.0600, 44.8337, 22.0323
YIQ	172.7800, 14.2180, -26.4060

# Conversions

## Conversions Part 2

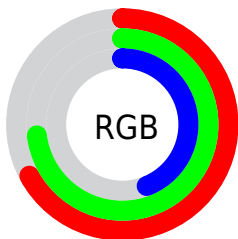
Format	Color
<a href="#">RYB</a>	<a href="#">112, 186, 128</a>
Decimal	<a href="#">11188848</a>
CIELab	<a href="#">72.78, -17.40, 35.66</a>
CIELCh	<a href="#">73, 39.676, 116.015</a>
Yxy	<a href="#">44.8337, 0.3566, 0.4314</a>
Android (android.graphics.Color)	<a href="#">4289378928 (0xFFAABA70)</a>
YUV	<a href="#">172.7800, -29.9645, -2.4381</a>
Hunter-Lab	<a href="#">66.9580, -18.3799, 27.3614</a>

# Details

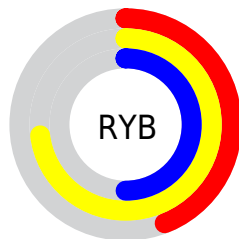
The Yxy color **44.8337, 0.3566, 0.4314** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **19.7275, 0.2553, 0.2137**, and the grayscale version is **41.8220, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3896, 0.3493, 0.4117**, and **20.9048, 0.3670, 0.4623** is the 20% darker color. If you saturate the color by 10%, you get **44.0214, 0.3660, 0.4567**, and if you desaturate by 10%, it is **45.7494, 0.3461, 0.4051**.

# Distribution



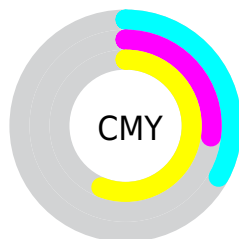
- Red (67%)
- Green (73%)
- Blue (44%)



- Red (44%)
- Yellow (73%)
- Blue (50%)



- Cyan (9%)
- Magenta (0%)
- Yellow (40%)
- Black (27%)




- Cyan (33%)
- Magenta (27%)
- Yellow (56%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.8337, 0.3566, 0.4314 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 44.8337, 0.3566, 0.4314 by changing the saturation by 10% instead.




 44.8337, 0.3566,  
0.4314

 44.8337, 0.3566,  
0.4314


366.0996, 0.3361,  
0.3787

 31.3265, 0.3610,  
0.4447


 82.4708, 0.3496,  
0.4120


 20.8476, 0.3661,  
0.4619


 107.3695, 0.3469,  
0.4048

 13.0126, 0.3719,  
0.4844


 136.8340, 0.3445,  
0.3987

 7.4372, 0.3778,  
0.5150

 171.2489, 0.3424,  
0.3936

 3.7370, 0.3903,  
0.5710

210.9985, 0.3405,  
0.3891

 1.5276, 0.3766,  
0.6234

256.4673, 0.3389,

 0.3080, 0.0000,

0.3852

1.0000

308.0395, 0.3374,  
0.3818

■ 0.0000, 0.0000,  
0.0000

■ 44.8337, 0.3566,  
0.4314

■ 44.8337, 0.3566,  
0.4314

■ 44.0214, 0.3660,  
0.4567

■ 45.7494, 0.3461,  
0.4051

■ 43.3010, 0.3737,  
0.4800

■ 46.7673, 0.3350,  
0.3787

■ 42.6684, 0.3793,  
0.5000


■ 47.8942, 0.3237,  
0.3530


■ 42.1170, 0.3824,  
0.5161

■ 49.1343, 0.3125,  
0.3285

■ 41.6385, 0.3830,  
0.5275


■ 50.4917, 0.3017,  
0.3056

 41.2174, 0.3815,  
0.5351

 51.9702, 0.2915,  
0.2845

 41.2084, 0.3815,  
0.5353

 53.5735, 0.2819,  
0.2652

 54.9248, 0.2766,  
0.2531

 55.4945, 0.2795,  
0.2537

# Harmonies

## Analogous

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



44.8337, 0.4021, 0.4141



44.8337, 0.3566, 0.4314



44.8337, 0.3016, 0.4155

# Triad

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



44.8337, 0.3566, 0.4314



44.8337, 0.2121, 0.2669



44.8337, 0.3728, 0.2919

# Complementary

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



44.8337, 0.3566, 0.4314



19.7275, 0.2553, 0.2137

# 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.



44.8337, 0.3161, 0.2597



44.8337, 0.3566, 0.4314



44.8337, 0.2268, 0.2439

# Square

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



44.8337, 0.3566, 0.4314



44.8337, 0.2206, 0.3113



44.8337, 0.2632, 0.2423



44.8337, 0.4139, 0.3334



# Rectangle

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



44.8337, 0.3566, 0.4314



44.8337, 0.2672, 0.3864



44.8337, 0.2632, 0.2423



44.8337, 0.3546, 0.2798

# Sweetspot

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



44.8357, 0.3566, 0.4314



86.2921, 0.3264, 0.3591



26.7398, 0.4026, 0.3502



18.9430, 0.3279, 0.3624



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.



44.8357, 0.3566, 0.4314



79.9231, 0.3651, 0.4543



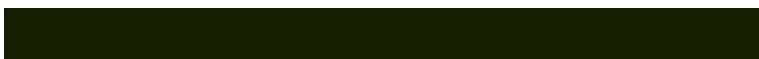
41.3762, 0.3248, 0.4428



10.4027, 0.3231, 0.3518



27.7552, 0.3820, 0.5349



1.0032, 0.3922, 0.5268



# Inverse Universe

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



19.7275, 0.2553, 0.2137



27.9324, 0.2390, 0.1839



23.0083, 0.2927, 0.2250



8.8107, 0.3017, 0.3056



2.7195, 0.1622, 0.0667



0.1233, 0.1883, 0.0811



# Previews

## White Background



This preview shows how the Yxy color 44.8337, 0.3566, 0.4314 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 44.8337, 0.3566, 0.4314 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 44.8337, 0.3566, 0.4314**

## Background



This preview shows how black text looks on a background with the Yxy color 44.8337, 0.3566, 0.4314.



This preview shows how white text looks on a background with the Yxy color 44.8337, 0.3566, 0.4314.

# 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

44.8337, 0.3566, 0.4314

### Protanopia

44.5470, 0.3863, 0.4178

### Deuteranopia

44.4575, 0.4041, 0.3944



## Tritanopia

44.9092, 0.3041, 0.3108

# Trichromacy



**Original Color**

44.8337, 0.3566, 0.4314

**Protanomaly**

44.6126, 0.3753, 0.4230

**Deuteranomaly**

44.4306, 0.3863, 0.4070

**Tritanomaly**

44.4813, 0.3238, 0.3534

# Monochromacy



**Original Color**

44.8337, 0.3566, 0.4314

**Achromatopsia**

41.7885, 0.3127, 0.3290

**Achromatomaly**

42.8458, 0.3296, 0.3666

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.8337, 0.3566, 0.4314 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(170, 186, 112)` looks like.

```
.text, #text, p{  
    color:rgb(170, 186, 112)  
}
```

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(170, 186, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 186, 112) }
```

## Border

The CSS property to change the border of an element to Yxy 44.8337, 0.3566, 0.4314 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(170, 186, 112) }
```

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

```
.border{ border-color:rgb(170, 186, 112) }
```

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

Here you see how a box with a 4 pixel rgb(170, 186, 112) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 186, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 186, 112);  
box-shadow:4px 4px 4px 4px rgb(170, 186,  
112) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.8337, 0.3566, 0.4314 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 186, 112) }
```

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

```
.background{ background-color: rgb(170,  
186, 112) }
```

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