

# Converting Colors

$Y_{xy}(44.5495, 0.3785, 0.3912)$

Have a look what the booklet for  
Yxy(44.5495, 0.3785, 0.3912)  
contains.

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# Color

**Yxy(44.5838, 0.3793, 0.3917)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C9AF7E
RGB	201, 175, 126
RGB Percent	79%, 69%, 49%
CMY	0.2120, 0.3136, 0.5059
CMYK	0.00, 0.13, 0.37, 0.21
HSL	39°, 41%, 64%
HSV	39°, 37%, 79%
XYZ	43.1724, 44.5838, 26.0651
YIQ	177.1880, 31.2250, -9.7270

# Conversions

## Conversions Part 2

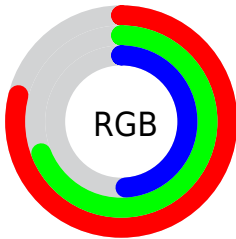
Format	Color
<a href="#">RYB</a>	<a href="#">166, 201, 126</a>
Decimal	<a href="#">13217662</a>
CIELab	<a href="#">72.62, 2.38, 28.60</a>
CIELCh	<a href="#">73, 28.703, 85.245</a>
Yxy	<a href="#">44.5838, 0.3793, 0.3917</a>
Android (android.graphics.Color)	<a href="#">4291407742 (0xFFC9AF7E)</a>
YUV	<a href="#">177.1880, -25.2357, 20.8831</a>
Hunter-Lab	<a href="#">66.7711, -1.4361, 23.5951</a>

# Details

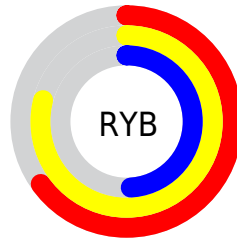
The Yxy color  $44.5838, 0.3793, 0.3917$  is a light color, and the websafe version is hex  $CC9966$ . A complement of this color would be  $31.0784, 0.2507, 0.2567$ , and the grayscale version is  $44.1913, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $81.1083, 0.3647, 0.3808$ , and  $20.7987, 0.3983, 0.4092$  is the 20% darker color. If you saturate the color by 10%, you get  $41.4816, 0.4003, 0.4081$ , and if you desaturate by 10%, it is  $47.9336, 0.3594, 0.3745$ .

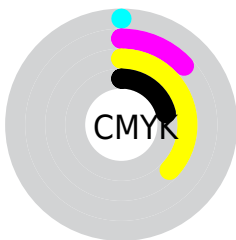
# Distribution



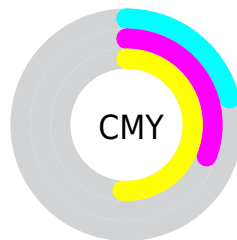
- Red (79%)
- Green (69%)
- Blue (49%)



- Red (65%)
- Yellow (79%)
- Blue (49%)



- Cyan (0%)
- Magenta (13%)
- Yellow (37%)
- Black (21%)




- Cyan (21%)
- Magenta (31%)
- Yellow (51%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.5838, 0.3793, 0.3917 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 44.5838, 0.3793, 0.3917 by changing the saturation by 10% instead.




 44.5838, 0.3793,  
0.3917


 44.5838, 0.3793,  
0.3917


365.0853, 0.3461,  
0.3607

 31.1297, 0.3874,  
0.3991


 82.0955, 0.3673,  
0.3806

 20.6977, 0.3977,  
0.4085


 106.9219, 0.3628,  
0.3764

 12.9032, 0.4109,  
0.4204


 136.3079, 0.3589,  
0.3728

 7.3619, 0.4285,  
0.4358

170.6379, 0.3556,  
0.3697

 3.6894, 0.4532,  
0.4569

210.2962, 0.3528,  
0.3670

 1.5014, 0.5016,  
0.4984

255.6673, 0.3503,

 0.2897, 0.5351,

0.3647

0.4649

307.1355, 0.3480,  
0.3626

0.0000, 0.0000,  
0.0000

44.5838, 0.3793,  
0.3917

44.5838, 0.3793,  
0.3917

41.4816, 0.4003,  
0.4081

47.9336, 0.3594,  
0.3745

38.6123, 0.4218,  
0.4229

51.5326, 0.3409,  
0.3574

35.9692, 0.4428,  
0.4348

55.3902, 0.3240,  
0.3407

33.5420, 0.4625,  
0.4428

59.5132, 0.3088,  
0.3248

31.3195, 0.4796,  
0.4461

63.9083, 0.2952,  
0.3100

■ 29.2865, 0.4936,  
0.4443

■ 68.5818, 0.2830,  
0.2962

■ 28.7641, 0.4972,  
0.4434

■ 72.7661, 0.2787,  
0.2952

■ 76.5714, 0.2792,  
0.3029

■ 80.5310, 0.2797,  
0.3104

# Harmonies

## Analogous

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



44.5838, 0.3939, 0.3654



44.5838, 0.3793, 0.3917



44.5838, 0.3469, 0.4025

# Triad

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



44.5838, 0.3793, 0.3917



44.5838, 0.2449, 0.3183



44.5838, 0.3147, 0.2766

# Complementary

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



44.5838, 0.3793, 0.3917



31.0784, 0.2507, 0.2567

# 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.



44.5838, 0.2758, 0.2640



44.5838, 0.3793, 0.3917



44.5838, 0.2376, 0.2850

# Square

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



44.5838, 0.3793, 0.3917



44.5838, 0.2696, 0.3583



44.5838, 0.2484, 0.2663



44.5838, 0.3554, 0.3011



# Rectangle

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



44.5838, 0.3793, 0.3917



44.5838, 0.3202, 0.3972



44.5838, 0.2484, 0.2663



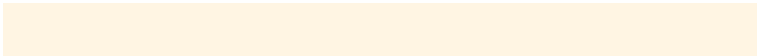
44.5838, 0.3009, 0.2709

# Sweetspot

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



44.5859, 0.3793, 0.3917



92.2891, 0.3303, 0.3470



29.6041, 0.3708, 0.2949



19.5586, 0.3326, 0.3493



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

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



44.5859, 0.3793, 0.3917



71.9215, 0.3967, 0.4055



54.1646, 0.3585, 0.4240



11.7755, 0.3273, 0.3441



18.2724, 0.4958, 0.4446



0.9966, 0.4760, 0.4603



# Inverse Universe

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



31.0784, 0.2507, 0.2567



45.4341, 0.2359, 0.2371



24.4722, 0.2548, 0.2199



10.8774, 0.2983, 0.3135



5.5230, 0.1647, 0.1128



0.3970, 0.1767, 0.1560



# Previews

## White Background



This preview shows how the Yxy color 44.5838, 0.3793, 0.3917 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

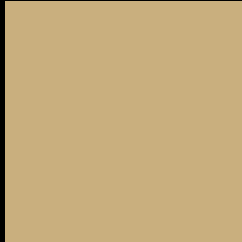
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 44.5838, 0.3793, 0.3917 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 44.5838, 0.3793, 0.3917**

## **Background**



This preview shows how black text looks on a background with the Yxy color 44.5838, 0.3793, 0.3917.



This preview shows how white text looks on a background with the Yxy color 44.5838, 0.3793, 0.3917.

# 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

44.5838, 0.3793, 0.3917

### Protanopia

44.5796, 0.3686, 0.3960

### Deuteranopia

44.6552, 0.3910, 0.3833



## Tritanopia

44.6069, 0.3374, 0.3131

# Trichromacy



**Original Color**

44.5838, 0.3793, 0.3917

**Protanomaly**

44.5787, 0.3719, 0.3941

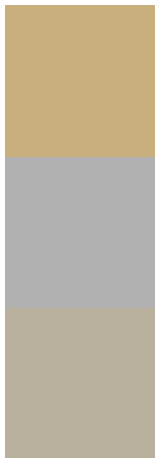
**Deuteranomaly**

44.4473, 0.3866, 0.3853

**Tritanomaly**

44.6782, 0.3531, 0.3417

# Monochromacy



**Original Color**

44.5838, 0.3793, 0.3917

**Achromatopsia**

43.9657, 0.3127, 0.3290

**Achromatomaly**

43.9584, 0.3368, 0.3530

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.5838, 0.3793, 0.3917 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(201, 175, 126)` looks like.

```
.text, #text, p{  
    color:rgb(201, 175, 126)  
}
```

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(201, 175, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 175, 126) }
```

## Border

The CSS property to change the border of an element to Yxy 44.5838, 0.3793, 0.3917 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(201, 175, 126) }
```

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

```
.border{ border-color:rgb(201, 175, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 175, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 175, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 175, 126);  
box-shadow:4px 4px 4px 4px rgb(201, 175,  
126) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.5838, 0.3793, 0.3917 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 175, 126) }
```

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

```
.background{ background-color: rgb(201,  
175, 126) }
```

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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