

# Converting Colors

$Y_{xy}(52.2776, 0.3759, 0.3878)$

Have a look what the booklet for  
Yxy(52.2776, 0.3759, 0.3878)  
contains.

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# Color

**Yxy(52.2776, 0.3759, 0.3878)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D7BC8B
RGB	215, 188, 139
RGB Percent	84%, 74%, 55%
CMY	0.1568, 0.2628, 0.4548
CMYK	0.00, 0.13, 0.35, 0.16
HSL	39°, 49%, 69%
HSV	39°, 35%, 84%
XYZ	50.6734, 52.2776, 31.8546
YIQ	190.4870, 31.8210, -9.5150

# Conversions

## Conversions Part 2

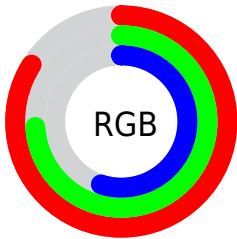
Format	Color
R <sub>YB</sub>	181, 215, 139
Decimal	14138507
CIE Lab	77.45, 2.64, 28.34
CIE LCh	77, 28.468, 84.670
Yxy	52.2776, 0.3759, 0.3878
Android (android.graphics.Color)	4292328587 (0xFFD7BC8B)
YUV	190.4870, -25.3831, 21.4979
Hunter-Lab	72.3033, -1.4298, 24.4910

# Details

The Yxy color  $52.2776, 0.3759, 0.3878$  is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be  $37.6880, 0.2541, 0.2619$ , and the grayscale version is  $51.9270, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $89.8116, 0.3520, 0.3799$ , and  $25.4035, 0.3927, 0.4035$  is the 20% darker color. If you saturate the color by 10%, you get  $48.5312, 0.3971, 0.4043$ , and if you desaturate by 10%, it is  $56.3255, 0.3560, 0.3707$ .

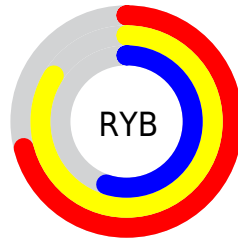
# Distribution



Red (84%)

Green (74%)

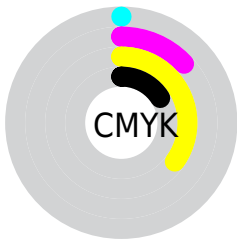
Blue (55%)



Red (71%)

Yellow (84%)

Blue (55%)

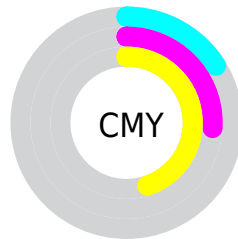


Cyan (0%)

Magenta (13%)

Yellow (35%)

Black (16%)



Cyan (16%)

Magenta (26%)


Yellow (45%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 52.2776, 0.3759, 0.3878 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 52.2776, 0.3759, 0.3878 by changing the saturation by 10% instead.





 52.2776, 0.3759,  
0.3878


 52.2776, 0.3759,  
0.3878


395.5074, 0.3451,  
0.3595

 37.2264, 0.3832,  
0.3944


 93.5405, 0.3650,  
0.3778

 25.3828, 0.3924,  
0.4026


 120.5210, 0.3608,  
0.3740

 16.3625, 0.4041,  
0.4130


 152.2467, 0.3572,  
0.3707

 9.7810, 0.4194,  
0.4264

189.1020, 0.3541,  
0.3679

 5.2540, 0.4400,  
0.4439

231.4714, 0.3515,  
0.3654

 2.3971, 0.4886,  
0.4868

279.7391, 0.3491,

 0.8244, 0.5071,

0.3632

0.4929

334.2896, 0.3470,  
0.3612

0.0000, 0.0000,  
0.0000

52.2776, 0.3759,  
0.3878

52.2776, 0.3759,  
0.3878

48.5312, 0.3971,  
0.4043

56.3255, 0.3560,  
0.3707

45.0692, 0.4189,  
0.4193

60.6770, 0.3376,  
0.3538

41.8833, 0.4406,  
0.4316

65.3432, 0.3209,  
0.3374

38.9614, 0.4610,  
0.4402

70.3324, 0.3060,  
0.3219

36.2904, 0.4791,  
0.4441

75.6525, 0.2926,  
0.3074

■ 33.8544, 0.4941,  
0.4428

■ 80.4428, 0.2880,  
0.3070

■ 32.7887, 0.5003,  
0.4410

■ 84.8876, 0.2883,  
0.3150

■ 89.5226, 0.2886,  
0.3230

■ 93.1901, 0.2889,  
0.3289

# Harmonies

## Analogous

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



52.2776, 0.3891, 0.3631



52.2776, 0.3759, 0.3878



52.2776, 0.3457, 0.3980

# Triad

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



52.2776, 0.3759, 0.3878



52.2776, 0.2491, 0.3198



52.2776, 0.3139, 0.2791

# Complementary

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



52.2776, 0.3759, 0.3878



37.6880, 0.2541, 0.2619

# 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.



52.2776, 0.2774, 0.2674



52.2776, 0.3759, 0.3878



52.2776, 0.2417, 0.2882

# Square

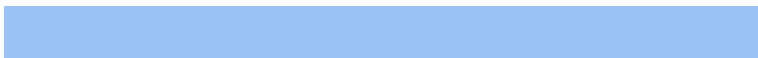
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



52.2776, 0.3759, 0.3878



52.2776, 0.2727, 0.3572



52.2776, 0.2517, 0.2701



52.2776, 0.3523, 0.3022



# Rectangle

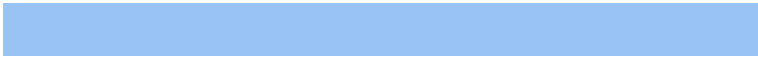
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



52.2776, 0.3759, 0.3878



52.2776, 0.3207, 0.3932



52.2776, 0.2517, 0.2701



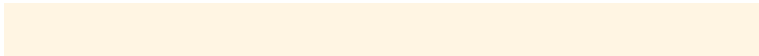
52.2776, 0.3010, 0.2738

# Sweetspot

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



52.2800, 0.3759, 0.3878



92.1237, 0.3303, 0.3468



35.7083, 0.3655, 0.2951



19.5191, 0.3326, 0.3490



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.



52.2800, 0.3759, 0.3878



72.9777, 0.3907, 0.3996



63.4389, 0.3575, 0.4191



13.7424, 0.3275, 0.3440



19.8141, 0.4987, 0.4422



1.3486, 0.4816, 0.4558



# Inverse Universe

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



37.6880, 0.2541, 0.2619



48.6174, 0.2415, 0.2457



29.7840, 0.2571, 0.2257



12.7241, 0.2982, 0.3136



6.2456, 0.1652, 0.1148

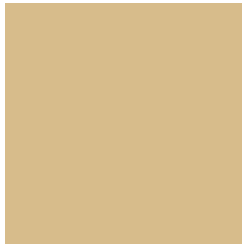


0.5305, 0.1750, 0.1499



# Previews

## White Background



This preview shows how the Yxy color 52.2776, 0.3759, 0.3878 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

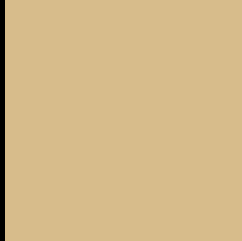
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 52.2776, 0.3759, 0.3878 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

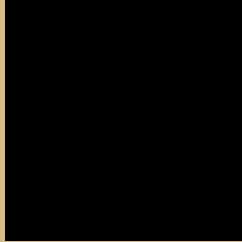
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 52.2776, 0.3759, 0.3878**

## Background



This preview shows how black text looks on a background with the Yxy color 52.2776, 0.3759, 0.3878.



This preview shows how white text looks on a background with the Yxy color 52.2776, 0.3759, 0.3878.

# 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

52.2776, 0.3759, 0.3878

### Protanopia

52.2769, 0.3659, 0.3918

### Deuteranopia

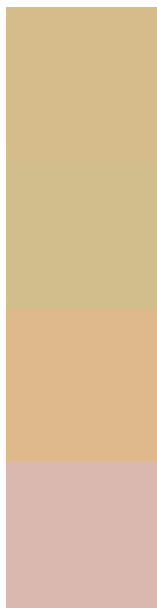
52.0913, 0.3880, 0.3789



## Tritanopia

52.3600, 0.3358, 0.3129

# Trichromacy



## Original Color

52.2776, 0.3759, 0.3878

## Protanomaly

52.2757, 0.3689, 0.3901

## Deuteranomaly

52.2793, 0.3835, 0.3818

## Tritanomaly

52.4362, 0.3504, 0.3397

# Monochromacy



## Original Color

52.2776, 0.3759, 0.3878

## Achromatopsia

51.4918, 0.3127, 0.3290

## Achromatomaly

51.4776, 0.3353, 0.3515

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 52.2776, 0.3759, 0.3878 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(215, 188, 139)` looks like.

```
.text, #text, p{  
    color:rgb(215, 188, 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(215, 188, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 188, 139) }
```

## Border

The CSS property to change the border of an element to Yxy 52.2776, 0.3759, 0.3878 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(215, 188, 139) }
```

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

```
.border{ border-color:rgb(215, 188, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 188, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 188, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 188, 139);  
box-shadow:4px 4px 4px 4px rgb(215, 188,  
139) }
```



# Background

The CSS property to change the background color of an element to Yxy 52.2776, 0.3759, 0.3878 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 188, 139) }
```

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

```
.background{ background-color: rgb(215,  
188, 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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