

# Converting Colors

Yxy(51.2785, 0.4013, 0.4243)

Have a look what the booklet for  
Yxy(51.2785, 0.4013, 0.4243)  
contains.

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# **Color**

**Yxy(51.4541, 0.4015, 0.4250)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D7BC6A
RGB	215, 188, 106
RGB Percent	84%, 74%, 42%
CMY	0.1569, 0.2627, 0.5843
CMYK	0.00, 0.13, 0.51, 0.16
HSL	45°, 58%, 63%
HSV	45°, 51%, 84%
XYZ	48.6090, 51.4541, 21.0054
YIQ	186.7250, 42.4140, -19.7780

# Conversions

## Conversions Part 2

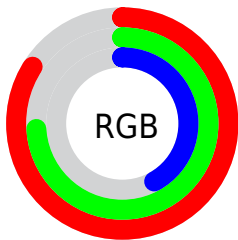
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	142, 215, 106
Decimal	14138474
CIE <sub>Lab</sub>	76.95, -0.81, 44.70
CIE <sub>LCh</sub>	77, 44.708, 91.040
Yxy	51.4541, 0.4015, 0.4250
Android (android.graphics.Color)	4292328554 (0xFFD7BC6A)
YUV	186.7250, -39.7974, 24.7972
Hunter-Lab	71.7315, -4.5693, 32.8500

# Details

The Yxy color **51.4541, 0.4015, 0.4250** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **24.7446, 0.2235, 0.2079**, and the grayscale version is **49.7428, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.4646, 0.3732, 0.4134**, and **24.8826, 0.4218, 0.4470** is the 20% darker color. If you saturate the color by 10%, you get **48.8306, 0.4198, 0.4407**, and if you desaturate by 10%, it is **54.2785, 0.3827, 0.4070**.

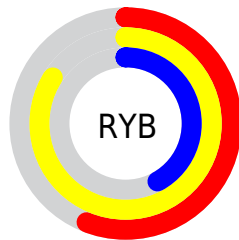
# Distribution



Red (84%)

Green (74%)

Blue (42%)



Red (56%)

Yellow (84%)

Blue (42%)

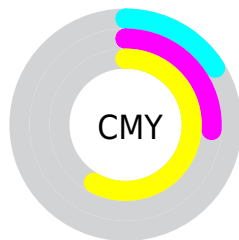


Cyan (0%)

Magenta (13%)

Yellow (51%)

Black (16%)



Cyan (16%)

Magenta (26%)


Yellow (58%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.4541, 0.4015, 0.4250 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 51.4541, 0.4015, 0.4250 by changing the saturation by 10% instead.





 51.4541, 0.4015,  
0.4250


 51.4541, 0.4015,  
0.4250


392.3255, 0.3595,  
0.3794

 36.5701, 0.4108,  
0.4352


 92.3257, 0.3870,  
0.4092


 24.8748, 0.4220,  
0.4475

 119.0820, 0.3813,  
0.4030

 15.9838, 0.4354,  
0.4622


 150.5647, 0.3764,  
0.3977

 9.5127, 0.4510,  
0.4796

 187.1579, 0.3721,  
0.3931

 5.0771, 0.4780,  
0.5096

229.2463, 0.3684,  
0.3890

 2.2926, 0.4830,  
0.5170

277.2140, 0.3651,

 0.7698, 0.4804,

0.3854

0.5196

331.4457, 0.3621,  
0.3822

0.0000, 0.0000,  
0.0000

51.4541, 0.4015,  
0.4250

51.4541, 0.4015,  
0.4250

48.8306, 0.4198,  
0.4407

54.2785, 0.3827,  
0.4070

46.3912, 0.4366,  
0.4530

57.3052, 0.3641,  
0.3878

44.1278, 0.4513,  
0.4611

60.5443, 0.3461,  
0.3682

42.0279, 0.4631,  
0.4644

64.0031, 0.3293,  
0.3489

40.2009, 0.4717,  
0.4636

67.6885, 0.3137,  
0.3303

■ 71.6070, 0.2996,  
0.3127

■ 75.6677, 0.2876,  
0.2978

■ 78.5964, 0.2878,  
0.3035

■ 81.6157, 0.2880,  
0.3091

# Harmonies

## Analogous

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



51.4541, 0.4308, 0.3871



51.4541, 0.4015, 0.4250



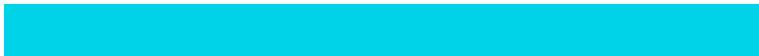
51.4541, 0.3497, 0.4395

# Triad

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



51.4541, 0.4015, 0.4250



51.4541, 0.2110, 0.3001



51.4541, 0.3265, 0.2598

# Complementary

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



51.4541, 0.4015, 0.4250



24.7446, 0.2235, 0.2079

# 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.



51.4541, 0.2680, 0.2384



51.4541, 0.4015, 0.4250



51.4541, 0.2062, 0.2563

# Square

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



51.4541, 0.4015, 0.4250



51.4541, 0.2404, 0.3608



51.4541, 0.2259, 0.2362



51.4541, 0.3865, 0.2961



# Rectangle

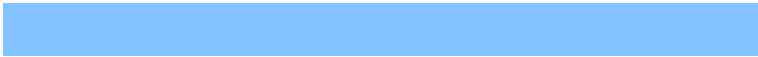
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



51.4541, 0.4015, 0.4250



51.4541, 0.3101, 0.4284



51.4541, 0.2259, 0.2362



51.4541, 0.3059, 0.2507

# Sweetspot

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



51.4565, 0.4015, 0.4250



91.8810, 0.3367, 0.3574



26.4560, 0.4191, 0.2963



19.4352, 0.3402, 0.3615



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.



51.4565, 0.4015, 0.4250



71.5261, 0.4213, 0.4419



60.3009, 0.3642, 0.4616



13.9747, 0.3272, 0.3464



24.2202, 0.4708, 0.4644



1.5876, 0.4600, 0.4729



# Inverse Universe

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



24.7446, 0.2235, 0.2079



28.0672, 0.2037, 0.1768



20.2219, 0.2378, 0.1772



12.5034, 0.2982, 0.3109



4.6127, 0.1581, 0.0892

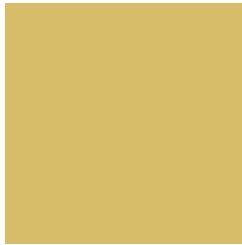


0.4103, 0.1675, 0.1229



# Previews

## White Background



This preview shows how the Yxy color 51.4541, 0.4015, 0.4250 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

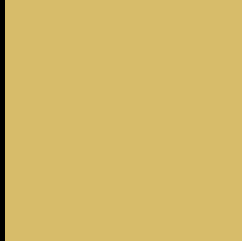
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 51.4541, 0.4015, 0.4250 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

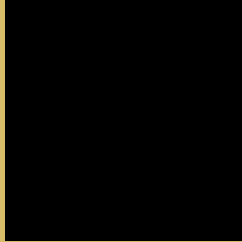
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 51.4541, 0.4015, 0.4250**

## **Background**



This preview shows how black text looks on a background with the Yxy color 51.4541, 0.4015, 0.4250.

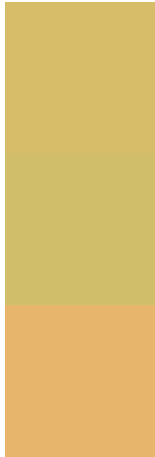


This preview shows how white text looks on a background with the Yxy color 51.4541, 0.4015, 0.4250.

# 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

51.4541, 0.4015, 0.4250

### Protanopia

51.4438, 0.3942, 0.4282

### Deuteranopia

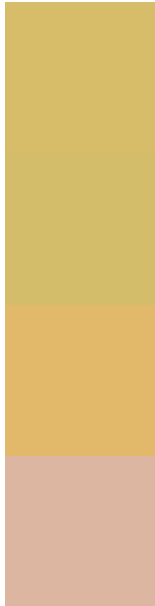
51.2863, 0.4197, 0.4099



## Tritanopia

51.3345, 0.3406, 0.3130

# Trichromacy



## Original Color

51.4541, 0.4015, 0.4250

## Protanomaly

51.3056, 0.3966, 0.4264

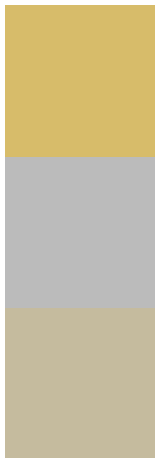
## Deuteranomaly

51.5113, 0.4131, 0.4160

## Tritanomaly

51.2447, 0.3639, 0.3540

# Monochromacy



## Original Color

51.4541, 0.4015, 0.4250

## Achromatopsia

49.6933, 0.3127, 0.3290

## Achromatomaly

49.8796, 0.3445, 0.3658

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.4541, 0.4015, 0.4250 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, 106)` looks like.

```
.text, #text, p{  
    color:rgb(215, 188, 106)  
}
```

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, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 188, 106) }
```

## Border

The CSS property to change the border of an element to Yxy 51.4541, 0.4015, 0.4250 is called "border". The border property can be set on classes, ids or directly on the HTML element.

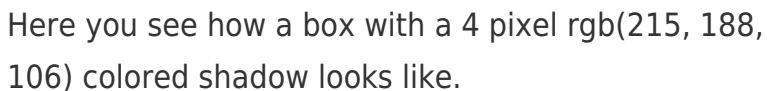
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(215, 188, 106) }
```

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

```
.border{ border-color:rgb(215, 188, 106) }
```

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, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(215, 188, 106); -webkit-box-shadow:4px 4px 4px 4px rgb(215, 188, 106); box-shadow:4px 4px 4px 4px rgb(215, 188, 106) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.4541, 0.4015, 0.4250 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, 106) }
```

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

```
.background{ background-color: rgb(215,  
188, 106) }
```

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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