

# Converting Colors

$Yxy(50.2518, 0.4043, 0.4311)$

Have a look what the booklet for  
Yxy(50.2518, 0.4043, 0.4311)  
contains.

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# Color

**Yxy(50.0350, 0.4043, 0.4303)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D4BA64
RGB	212, 186, 100
RGB Percent	83%, 73%, 39%
CMY	0.1686, 0.2706, 0.6079
CMYK	0.00, 0.12, 0.53, 0.17
HSL	46°, 57%, 61%
HSV	46°, 53%, 83%
XYZ	47.0117, 50.0350, 19.2326
YIQ	183.9700, 43.1020, -21.2340

# Conversions

## Conversions Part 2

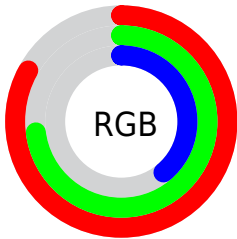
Format	Color
<b>RYB</b>	134, 212, 100
Decimal	13941348
CIELab	76.09, -1.52, 46.56
CIElCh	76, 46.586, 91.873
Yxy	50.0350, 0.4043, 0.4303
Android (android.graphics.Color)	4292131428 (0xFFD4BA64)
YUV	183.9700, -41.3972, 24.5823
Hunter-Lab	70.7354, -5.1534, 33.3941

# Details

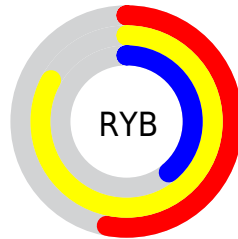
The Yxy color **50.0350, 0.4043, 0.4303** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **22.3820, 0.2190, 0.1993**, and the grayscale version is **48.1315, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.0642, 0.3775, 0.4174**, and **23.9654, 0.4256, 0.4541** is the 20% darker color. If you saturate the color by 10%, you get **47.6407, 0.4218, 0.4456**, and if you desaturate by 10%, it is **52.6122, 0.3860, 0.4125**.

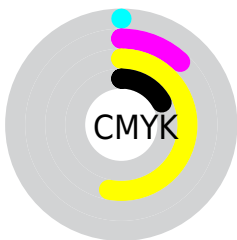
# Distribution



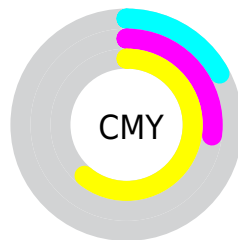
- Red (83%)
- Green (73%)
- Blue (39%)



- Red (53%)
- Yellow (83%)
- Blue (39%)



- Cyan (0%)
- Magenta (12%)
- Yellow (53%)
- Black (17%)




- Cyan (17%)
- Magenta (27%)
- Yellow (61%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 50.0350, 0.4043, 0.4303 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 50.0350, 0.4043, 0.4303 by changing the saturation by 10% instead.





 50.0350, 0.4043,  
0.4303


 50.0350, 0.4043,  
0.4303


386.8028, 0.3610,  
0.3820

 35.4412, 0.4138,  
0.4411


 90.2267, 0.3894,  
0.4136


 24.0029, 0.4252,  
0.4539


 116.5935, 0.3836,  
0.4071

 15.3358, 0.4385,  
0.4693


 147.6533, 0.3785,  
0.4014

 9.0554, 0.4536,  
0.4871

 183.7906, 0.3741,  
0.3965

 4.7773, 0.4810,  
0.5190

225.3898, 0.3702,  
0.3922

 2.1172, 0.4790,  
0.5210

272.8353, 0.3668,

 0.6743, 0.4724,

0.3884

0.5276

326.5115, 0.3637,  
0.3850

0.0000, 0.0000,  
0.0000

50.0350, 0.4043,  
0.4303

50.0350, 0.4043,  
0.4303

47.6407, 0.4218,  
0.4456

52.6122, 0.3860,  
0.4125

45.4131, 0.4377,  
0.4573

55.3736, 0.3676,  
0.3931

43.3441, 0.4512,  
0.4647

58.3290, 0.3497,  
0.3732

41.4212, 0.4617,  
0.4672

61.4855, 0.3327,  
0.3534

40.1190, 0.4678,  
0.4667

64.8496, 0.3170,  
0.3343

■ 68.4275, 0.3025,  
0.3161

■ 72.2251, 0.2893,  
0.2991

■ 75.2721, 0.2857,  
0.2977

■ 77.9775, 0.2859,  
0.3030

# Harmonies

## Analogous

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



50.0350, 0.4363, 0.3905



50.0350, 0.4043, 0.4303



50.0350, 0.3494, 0.4454

# Triad

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



50.0350, 0.4043, 0.4303



50.0350, 0.2058, 0.2966



50.0350, 0.3289, 0.2575

# Complementary

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



50.0350, 0.4043, 0.4303



22.3820, 0.2190, 0.1993

# 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.



50.0350, 0.2672, 0.2347



50.0350, 0.4043, 0.4303



50.0350, 0.2017, 0.2517

# Square

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



50.0350, 0.4043, 0.4303



50.0350, 0.2356, 0.3605



50.0350, 0.2227, 0.2317



50.0350, 0.3918, 0.2956



# Rectangle

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



50.0350, 0.4043, 0.4303



50.0350, 0.3079, 0.4332



50.0350, 0.2227, 0.2317



50.0350, 0.3072, 0.2480

# Sweetspot

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



50.0374, 0.4043, 0.4303



91.7505, 0.3383, 0.3600



24.6197, 0.4287, 0.2975



19.4241, 0.3418, 0.3641



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.



50.0374, 0.4043, 0.4303



72.0653, 0.4232, 0.4467



57.9724, 0.3643, 0.4675



14.0084, 0.3272, 0.3468



24.9245, 0.4670, 0.4674



1.6249, 0.4571, 0.4753



# Inverse Universe

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



22.3820, 0.2190, 0.1993



26.0242, 0.1995, 0.1680



18.6004, 0.2356, 0.1710



12.4719, 0.2982, 0.3106



4.4294, 0.1573, 0.0862



0.3955, 0.1665, 0.1193



# Previews

## White Background



This preview shows how the Yxy color 50.0350, 0.4043, 0.4303 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

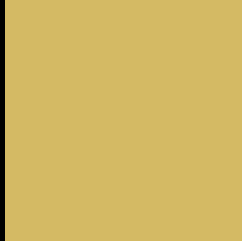
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 50.0350, 0.4043, 0.4303 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 50.0350, 0.4043, 0.4303**

## Background



This preview shows how black text looks on a background with the Yxy color 50.0350, 0.4043, 0.4303.

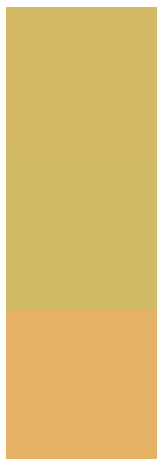


This preview shows how white text looks on a background with the Yxy color 50.0350, 0.4043, 0.4303.

# 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

50.0350, 0.4043, 0.4303

### Protanopia

50.1714, 0.3978, 0.4332

### Deuteranopia

50.0225, 0.4238, 0.4144



## Tritanopia

49.9404, 0.3408, 0.3139

# Trichromacy



## Original Color

50.0350, 0.4043, 0.4303

## Protanomaly

50.0355, 0.4002, 0.4314

## Deuteranomaly

50.0835, 0.4162, 0.4210

## Tritanomaly

49.8286, 0.3653, 0.3567

# Monochromacy



## Original Color

50.0350, 0.4043, 0.4303

## Achromatopsia

47.9320, 0.3127, 0.3290

## Achromatomaly

48.4672, 0.3464, 0.3702

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 50.0350, 0.4043, 0.4303 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(212, 186, 100)` looks like.

```
.text, #text, p{  
    color:rgb(212, 186, 100)  
}
```

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(212, 186, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 186, 100) }
```

## Border

The CSS property to change the border of an element to Yxy 50.0350, 0.4043, 0.4303 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(212, 186, 100) }
```

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

```
.border{ border-color:rgb(212, 186, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 186, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 186, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 186, 100);  
box-shadow:4px 4px 4px 4px rgb(212, 186,  
100) }
```



# Background

The CSS property to change the background color of an element to Yxy 50.0350, 0.4043, 0.4303 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 186, 100) }
```

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

```
.background{ background-color: rgb(212,  
186, 100) }
```

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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