

# Converting Colors

$Y_{xy}(50.4100, 0.3810, 0.3744)$

Have a look what the booklet for  
Yxy(50.4100, 0.3810, 0.3744)  
contains.

<b>Yxy(50.4031, 0.3808, 0.3741)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# **Color**

**Yxy(50.4031, 0.3808, 0.3741)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DDB58F
RGB	221, 181, 143
RGB Percent	87%, 71%, 56%
CMY	0.1333, 0.2902, 0.4391
CMYK	0.00, 0.18, 0.35, 0.13
HSL	29°, 53%, 71%
HSV	29°, 35%, 87%
XYZ	51.3058, 50.4031, 33.0227
YIQ	188.6280, 36.0380, -3.3380

# Conversions

## Conversions Part 2

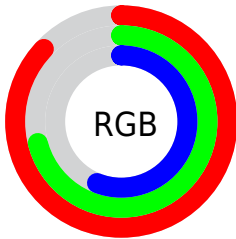
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	221, 217, 143
Decimal	14529935
CIE Lab	76.32, 9.20, 24.79
CIE LCh	76, 26.443, 69.647
Yxy	50.4031, 0.3808, 0.3741
Android (android.graphics.Color)	4292720015 (0xFFDDB58F)
YUV	188.6280, -22.4946, 28.3902
Hunter-Lab	70.9951, 4.7545, 22.1184

# Details

The Yxy color **50.4031, 0.3808, 0.3741** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **44.9504, 0.2564, 0.2789**, and the grayscale version is **50.7839, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.8596, 0.3509, 0.3692**, and **24.2104, 0.4004, 0.3852** is the 20% darker color. If you saturate the color by 10%, you get **45.3741, 0.4057, 0.3869**, and if you desaturate by 10%, it is **55.9443, 0.3583, 0.3609**.

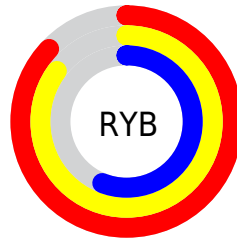
# Distribution



Red (87%)

Green (71%)

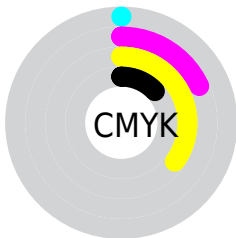
Blue (56%)



Red (87%)

Yellow (85%)

Blue (56%)

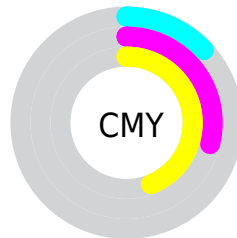


Cyan (0%)

Magenta (18%)

Yellow (35%)

Black (13%)



Cyan (13%)

Magenta (29%)


Yellow (44%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 50.4031, 0.3808, 0.3741 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 50.4031, 0.3808, 0.3741 by changing the saturation by 10% instead.





 50.4031, 0.3808,  
0.3741

 50.4031, 0.3808,  
0.3741


388.2402, 0.3471,  
0.3527

 35.7338, 0.3890,  
0.3790


 90.7718, 0.3687,  
0.3666

 24.2287, 0.3993,  
0.3851


 117.2401, 0.3641,  
0.3637

 15.5033, 0.4128,  
0.3926


148.4101, 0.3602,  
0.3612

 9.1734, 0.4309,  
0.4021

184.6662, 0.3569,  
0.3591

 4.8545, 0.4562,  
0.4141

226.3929, 0.3540,  
0.3572

 2.1621, 0.5096,  
0.4426

273.9745, 0.3514,

 0.6992, 0.5600,

0.3555

0.4400

327.7955, 0.3492,  
0.3540

0.0000, 0.0000,  
0.0000

50.4031, 0.3808,  
0.3741

50.4031, 0.3808,  
0.3741

45.3741, 0.4057,  
0.3869

55.9443, 0.3583,  
0.3609

40.8335, 0.4327,  
0.3984

62.0063, 0.3384,  
0.3478

36.7658, 0.4609,  
0.4075

68.6065, 0.3210,  
0.3353

33.1518, 0.4888,  
0.4128

75.7591, 0.3058,  
0.3236

29.9701, 0.5148,  
0.4132

83.4777, 0.2926,  
0.3127

■ 27.1965, 0.5369,  
0.4081

■ 90.3741, 0.2921,  
0.3229

■ 26.0160, 0.5463,  
0.4044

■ 94.1146, 0.2923,  
0.3289

# Harmonies

## Analogous

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



50.4031, 0.3831, 0.3470



50.4031, 0.3808, 0.3741



50.4031, 0.3596, 0.3913

# Triad

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



50.4031, 0.3808, 0.3741



50.4031, 0.2622, 0.3381



50.4031, 0.2958, 0.2748

# Complementary

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



50.4031, 0.3808, 0.3741



44.9504, 0.2564, 0.2789

# 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.



50.4031, 0.2656, 0.2704



50.4031, 0.3808, 0.3741



50.4031, 0.2472, 0.3044

# Square

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



50.4031, 0.3808, 0.3741



50.4031, 0.2908, 0.3711



50.4031, 0.2484, 0.2803



50.4031, 0.3324, 0.2917



# Rectangle

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



50.4031, 0.3808, 0.3741



50.4031, 0.3383, 0.3934



50.4031, 0.2484, 0.2803



50.4031, 0.2847, 0.2718

# Sweetspot

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



50.4055, 0.3808, 0.3741



89.4810, 0.3308, 0.3425



38.4610, 0.3532, 0.2817



18.8889, 0.3333, 0.3442



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.



50.4055, 0.3808, 0.3741



64.7230, 0.3981, 0.3832



68.3959, 0.3661, 0.4152



14.0928, 0.3279, 0.3404



15.3360, 0.5439, 0.4064



1.1657, 0.5183, 0.4267

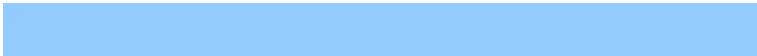


# Inverse Universe

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



44.9504, 0.2564, 0.2789



56.1514, 0.2450, 0.2668



31.1103, 0.2491, 0.2252



13.7166, 0.2982, 0.3173



10.1740, 0.1786, 0.1629

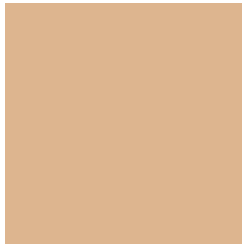


0.8315, 0.1867, 0.1919



# Previews

## White Background



This preview shows how the Yxy color 50.4031, 0.3808, 0.3741 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

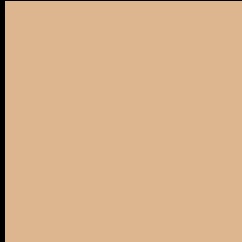
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 50.4031, 0.3808, 0.3741 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

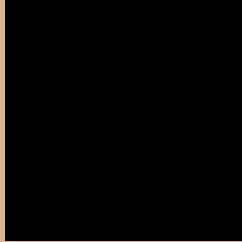
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 50.4031, 0.3808, 0.3741**

## **Background**



This preview shows how black text looks on a background with the Yxy color 50.4031, 0.3808, 0.3741.



This preview shows how white text looks on a background with the Yxy color 50.4031, 0.3808, 0.3741.

# 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

50.4031, 0.3808, 0.3741

### Protanopia

50.4593, 0.3576, 0.3818

### Deuteranopia

50.5605, 0.3817, 0.3740



## Tritanopia

50.4595, 0.3473, 0.3142

# Trichromacy



**Original Color**

50.4031, 0.3808, 0.3741

**Protanomaly**

50.1522, 0.3657, 0.3784

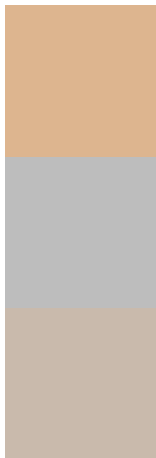
**Deuteranomaly**

50.5605, 0.3817, 0.3740

**Tritanomaly**

50.2701, 0.3592, 0.3350

# Monochromacy



**Original Color**

50.4031, 0.3808, 0.3741

**Achromatopsia**

50.8881, 0.3127, 0.3290

**Achromatomaly**

50.5139, 0.3367, 0.3465

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 50.4031, 0.3808, 0.3741 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(221, 181, 143)` looks like.

```
.text, #text, p{  
    color:rgb(221, 181, 143)  
}
```

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(221, 181, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 181, 143) }
```

## Border

The CSS property to change the border of an element to Yxy 50.4031, 0.3808, 0.3741 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(221, 181, 143) }
```

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

```
.border{ border-color:rgb(221, 181, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 181, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 181, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 181, 143);  
box-shadow:4px 4px 4px 4px rgb(221, 181,  
143) }
```



# Background

The CSS property to change the background color of an element to Yxy 50.4031, 0.3808, 0.3741 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 181, 143) }
```

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

```
.background{ background-color: rgb(221,  
181, 143) }
```

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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