

# Converting Colors

$Yxy(50.8877, 0.3805, 0.3823)$

Have a look what the booklet for  
Yxy(50.8877, 0.3805, 0.3823)  
contains.

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# **Color**

**Yxy(51.0505, 0.3802, 0.3828)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DAB88B
RGB	218, 184, 139
RGB Percent	85%, 72%, 55%
CMY	0.1453, 0.2783, 0.4549
CMYK	0.00, 0.16, 0.36, 0.15
HSL	34°, 52%, 70%
HSV	34°, 36%, 85%
XYZ	50.7038, 51.0505, 31.6065
YIQ	189.0360, 34.7090, -6.7870

# Conversions

## Conversions Part 2

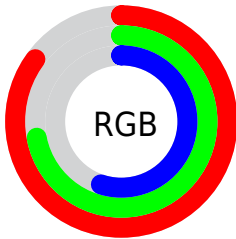
Format	Color
R <sub>Y</sub> B	199, 218, 139
Decimal	14334091
CIE Lab	76.71, 5.90, 27.42
CIE LCh	77, 28.047, 77.853
Yxy	51.0505, 0.3802, 0.3828
Android (android.graphics.Color)	4292524171 (0xFFDAB88B)
YUV	189.0360, -24.6677, 25.4014
Hunter-Lab	71.4496, 1.6345, 23.7872

# Details

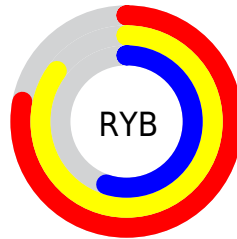
The Yxy color **51.0505, 0.3802, 0.3828** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **40.4088, 0.2536, 0.2681**, and the grayscale version is **51.0384, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.4304, 0.3529, 0.3761**, and **24.6186, 0.3992, 0.3966** is the 20% darker color. If you saturate the color by 10%, you get **46.7138, 0.4032, 0.3975**, and if you desaturate by 10%, it is **55.7767, 0.3589, 0.3675**.

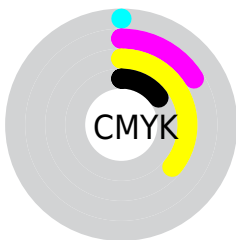
# Distribution



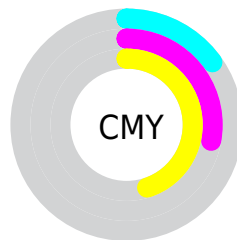
- Red (85%)
- Green (72%)
- Blue (55%)



- Red (78%)
- Yellow (85%)
- Blue (55%)



- Cyan (0%)
- Magenta (16%)
- Yellow (36%)
- Black (15%)




- Cyan (15%)
- Magenta (28%)
- Yellow (45%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.0505, 0.3802, 0.3828 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 51.0505, 0.3802, 0.3828 by changing the saturation by 10% instead.




 51.0505, 0.3802,  
0.3828

 51.0505, 0.3802,  
0.3828


390.7600, 0.3471,  
0.3571

 36.2488, 0.3882,  
0.3888


 91.7294, 0.3684,  
0.3738

 24.6264, 0.3982,  
0.3961


 118.3754, 0.3639,  
0.3703

 15.7989, 0.4111,  
0.4054


 149.7383, 0.3600,  
0.3673

 9.3820, 0.4282,  
0.4172

186.2025, 0.3567,  
0.3647

 4.9912, 0.4515,  
0.4321

228.1524, 0.3538,  
0.3624

 2.2421, 0.5074,  
0.4721

275.9723, 0.3513,

 0.7428, 0.5337,

0.3604

0.4663

330.0467, 0.3491,  
0.3587

0.0000, 0.0000,  
0.0000

51.0505, 0.3802,  
0.3828

51.0505, 0.3802,  
0.3828

46.7138, 0.4032,  
0.3975

55.7767, 0.3589,  
0.3675

42.7469, 0.4275,  
0.4108

60.8970, 0.3396,  
0.3523

39.1386, 0.4521,  
0.4214


66.4249, 0.3224,  
0.3377

35.8743, 0.4759,  
0.4281


72.3710, 0.3072,  
0.3239


32.9375, 0.4973,  
0.4299

78.7455, 0.2938,  
0.3110

 30.3086, 0.5153,  
0.4263

 84.5697, 0.2900,  
0.3137

 29.3858, 0.5216,  
0.4241

 90.2346, 0.2904,  
0.3234

 93.6383, 0.2905,  
0.3289

# Harmonies

## Analogous

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



51.0505, 0.3886, 0.3561



51.0505, 0.3802, 0.3828



51.0505, 0.3534, 0.3969

# Triad

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



51.0505, 0.3802, 0.3828



51.0505, 0.2535, 0.3282



51.0505, 0.3051, 0.2757

# Complementary

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



51.0505, 0.3802, 0.3828



40.4088, 0.2536, 0.2681

# 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.



51.0505, 0.2706, 0.2671



51.0505, 0.3802, 0.3828



51.0505, 0.2423, 0.2946

# Square

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



51.0505, 0.3802, 0.3828



51.0505, 0.2802, 0.3649



51.0505, 0.2484, 0.2732



51.0505, 0.3438, 0.2964



# Rectangle

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



51.0505, 0.3802, 0.3828



51.0505, 0.3293, 0.3954



51.0505, 0.2484, 0.2732



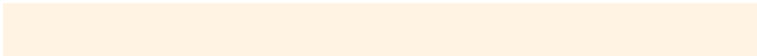
51.0505, 0.2927, 0.2713

# Sweetspot

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



51.0529, 0.3802, 0.3828



90.8718, 0.3306, 0.3447



36.3887, 0.3617, 0.2880



19.2203, 0.3329, 0.3468



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.



51.0529, 0.3802, 0.3828



68.3672, 0.3965, 0.3934



66.0828, 0.3628, 0.4200



14.2779, 0.3277, 0.3423



17.8310, 0.5197, 0.4256



1.3251, 0.4989, 0.4421

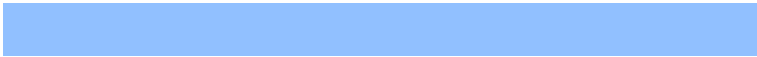


# Inverse Universe

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



40.4088, 0.2536, 0.2681



51.1787, 0.2415, 0.2536



29.4775, 0.2511, 0.2214



13.5328, 0.2982, 0.3153



7.9998, 0.1711, 0.1360



0.6872, 0.1800, 0.1679



# Previews

## White Background



This preview shows how the Yxy color 51.0505, 0.3802, 0.3828 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 51.0505, 0.3802, 0.3828 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

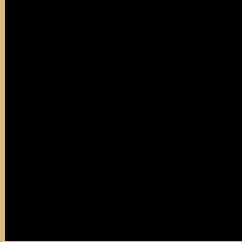
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 51.0505, 0.3802, 0.3828**

## Background



This preview shows how black text looks on a background with the Yxy color 51.0505, 0.3802, 0.3828.



This preview shows how white text looks on a background with the Yxy color 51.0505, 0.3802, 0.3828.

# 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

51.0505, 0.3802, 0.3828

### Protanopia

51.0148, 0.3631, 0.3889

### Deuteranopia

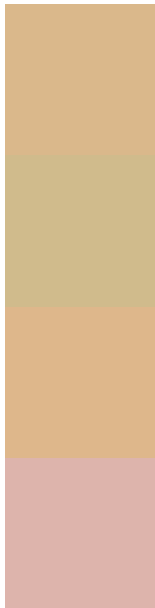
51.1673, 0.3866, 0.3794



## Tritanopia

50.8938, 0.3416, 0.3129

# Trichromacy



## Original Color

51.0505, 0.3802, 0.3828

## Protanomaly

50.8440, 0.3691, 0.3869

## Deuteranomaly

51.2606, 0.3843, 0.3809

## Tritanomaly

50.9932, 0.3558, 0.3385

# Monochromacy



## Original Color

51.0505, 0.3802, 0.3828

## Achromatopsia

50.8881, 0.3127, 0.3290

## Achromatomaly

50.7603, 0.3365, 0.3490

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.0505, 0.3802, 0.3828 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(218, 184, 139)` looks like.

```
.text, #text, p{  
    color:rgb(218, 184, 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(218, 184, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 184, 139) }
```

## Border

The CSS property to change the border of an element to Yxy 51.0505, 0.3802, 0.3828 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(218, 184, 139) }
```

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

```
.border{ border-color:rgb(218, 184, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 184, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 184, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 184, 139);  
box-shadow:4px 4px 4px 4px rgb(218, 184,  
139) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.0505, 0.3802, 0.3828 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 184, 139) }
```

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

```
.background{ background-color: rgb(218,  
184, 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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