

# Converting Colors

$Y_{xy}(50.0074, 0.3987, 0.3970)$

Have a look what the booklet for  
Yxy(50.0074, 0.3987, 0.3970)  
contains.

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# **Color**

**Yxy(50.0074, 0.3987, 0.3970)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DEB57B
RGB	222, 181, 123
RGB Percent	87%, 71%, 48%
CMY	0.1294, 0.2902, 0.5178
CMYK	0.00, 0.18, 0.45, 0.13
HSL	35°, 60%, 68%
HSV	35°, 45%, 87%
XYZ	50.2215, 50.0074, 25.7343
YIQ	186.6470, 43.0540, -9.3460

# Conversions

## Conversions Part 2

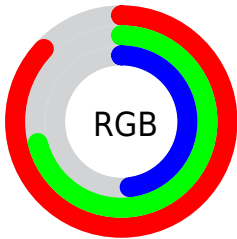
Format	Color
R <sub>Y</sub> B	193, 222, 123
Decimal	14595451
CIE Lab	76.07, 7.35, 35.09
CIE LCh	76, 35.854, 78.166
Yxy	50.0074, 0.3987, 0.3970
Android (android.graphics.Color)	4292785531 (0xFFDEB57B)
YUV	186.6470, -31.3780, 31.0046
Hunter-Lab	70.7159, 3.0156, 27.9249

# Details

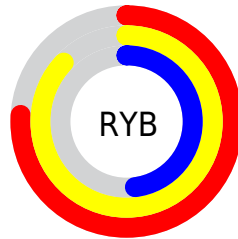
The Yxy color **50.0074, 0.3987, 0.3970** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **36.0202, 0.2390, 0.2486**, and the grayscale version is **49.6466, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.9630, 0.3647, 0.3904**, and **23.9187, 0.4214, 0.4125** is the 20% darker color. If you saturate the color by 10%, you get **45.9006, 0.4224, 0.4109**, and if you desaturate by 10%, it is **54.4915, 0.3762, 0.3818**.

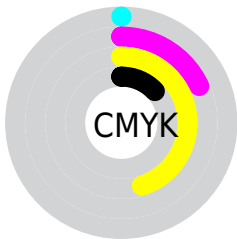
# Distribution



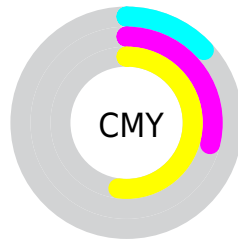
- Red (87%)
- Green (71%)
- Blue (48%)



- Red (76%)
- Yellow (87%)
- Blue (48%)



- Cyan (0%)
- Magenta (18%)
- Yellow (45%)
- Black (13%)



- Cyan (13%)
- Magenta (29%)
- Yellow (52%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 50.0074, 0.3987, 0.3970 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 50.0074, 0.3987, 0.3970 by changing the saturation by 10% instead.




 50.0074, 0.3987,  
0.3970

 50.0074, 0.3987,  
0.3970


386.6949, 0.3567,  
0.3649

 35.4193, 0.4086,  
0.4042


 90.1858, 0.3838,  
0.3859

 23.9860, 0.4210,  
0.4129


 116.5449, 0.3781,  
0.3816

 15.3233, 0.4366,  
0.4234


 147.5965, 0.3732,  
0.3778

 9.0466, 0.4566,  
0.4361

183.7249, 0.3690,  
0.3746

 4.7716, 0.4834,  
0.4514

225.3146, 0.3653,  
0.3717

 2.1139, 0.5261,  
0.4739

272.7498, 0.3621,

 0.6724, 0.5490,

0.3692

0.4510

326.4151, 0.3592,  
0.3669

0.0000, 0.0000,  
0.0000

50.0074, 0.3987,  
0.3970

50.0074, 0.3987,  
0.3970

45.9006, 0.4224,  
0.4109

54.4915, 0.3762,  
0.3818

42.1507, 0.4464,  
0.4223

59.3582, 0.3555,  
0.3660

38.7454, 0.4696,  
0.4301


64.6216, 0.3367,  
0.3505

35.6684, 0.4908,  
0.4330

70.2925, 0.3198,  
0.3356

32.9010, 0.5086,  
0.4306

76.3817, 0.3049,  
0.3215

 31.5228, 0.5171,  
0.4276

 82.8233, 0.2924,  
0.3096

 88.2562, 0.2926,  
0.3191

 93.9653, 0.2929,  
0.3285

 94.2695, 0.2929,  
0.3289

# Harmonies

## Analogous

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



50.0074, 0.4106, 0.3624



50.0074, 0.3987, 0.3970



50.0074, 0.3635, 0.4167

# Triad

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



50.0074, 0.3987, 0.3970



50.0074, 0.2372, 0.3266



50.0074, 0.3030, 0.2622

# Complementary

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



50.0074, 0.3987, 0.3970



36.0202, 0.2390, 0.2486

# 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.



50.0074, 0.2593, 0.2510



50.0074, 0.3987, 0.3970



50.0074, 0.2238, 0.2837

# Square

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



50.0074, 0.3987, 0.3970



50.0074, 0.2702, 0.3753



50.0074, 0.2315, 0.2577



50.0074, 0.3529, 0.2880



# Rectangle

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



50.0074, 0.3987, 0.3970



50.0074, 0.3325, 0.4157



50.0074, 0.2315, 0.2577



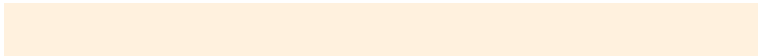
50.0074, 0.2871, 0.2566

# Sweetspot

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



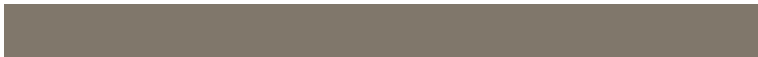
50.0098, 0.3987, 0.3970



89.6012, 0.3340, 0.3482



32.3770, 0.3804, 0.2804



18.8211, 0.3379, 0.3516



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.



50.0098, 0.3987, 0.3970



62.9400, 0.4219, 0.4107



67.9295, 0.3722, 0.4408



15.0287, 0.3277, 0.3427



18.9483, 0.5153, 0.4291



1.4887, 0.4965, 0.4440

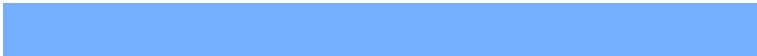


# Inverse Universe

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



36.0202, 0.2390, 0.2486



41.4105, 0.2226, 0.2269



24.2758, 0.2351, 0.1924



14.1707, 0.2981, 0.3149



7.8757, 0.1697, 0.1310



0.7194, 0.1782, 0.1615



# Previews

## White Background



This preview shows how the Yxy color 50.0074, 0.3987, 0.3970 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 50.0074, 0.3987, 0.3970 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

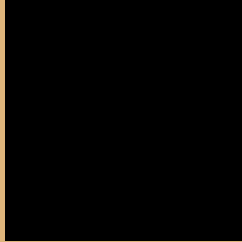
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 50.0074, 0.3987, 0.3970**

## **Background**



This preview shows how black text looks on a background with the Yxy color 50.0074, 0.3987, 0.3970.



This preview shows how white text looks on a background with the Yxy color 50.0074, 0.3987, 0.3970.

# 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

50.0074, 0.3987, 0.3970

### Protanopia

50.3102, 0.3764, 0.4059

### Deuteranopia

50.2413, 0.4029, 0.3949



## Tritanopia

49.9263, 0.3512, 0.3142

# Trichromacy



## Original Color

50.0074, 0.3987, 0.3970

## Protanomaly

50.0275, 0.3849, 0.4019

## Deuteranomaly

50.0801, 0.4020, 0.3951

## Tritanomaly

49.8638, 0.3694, 0.3443

# Monochromacy



## Original Color

50.0074, 0.3987, 0.3970

## Achromatopsia

49.6933, 0.3127, 0.3290

## Achromatomaly

49.6576, 0.3426, 0.3554

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 50.0074, 0.3987, 0.3970 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(222, 181, 123)` looks like.

```
.text, #text, p{  
    color:rgb(222, 181, 123)  
}
```

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(222, 181, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 181, 123) }
```

## Border

The CSS property to change the border of an element to Yxy 50.0074, 0.3987, 0.3970 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(222, 181, 123) }
```

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

```
.border{ border-color:rgb(222, 181, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 181, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 181, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 181, 123);  
box-shadow:4px 4px 4px 4px rgb(222, 181,  
123) }
```



# Background

The CSS property to change the background color of an element to Yxy 50.0074, 0.3987, 0.3970 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 181, 123) }
```

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

```
.background{ background-color: rgb(222,  
181, 123) }
```

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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