

# Converting Colors

$Yxy(49.1187, 0.3963, 0.3916)$

Have a look what the booklet for  
Yxy(49.1187, 0.3963, 0.3916)  
contains.

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# Color

**Yxy(49.1187, 0.3963, 0.3916)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DDB37E
RGB	221, 179, 126
RGB Percent	87%, 70%, 49%
CMY	0.1333, 0.2980, 0.5058
CMYK	0.00, 0.19, 0.43, 0.13
HSL	33°, 58%, 68%
HSV	33°, 43%, 87%
XYZ	49.7082, 49.1187, 26.6039
YIQ	185.5160, 42.0450, -7.5790

# Conversions

## Conversions Part 2

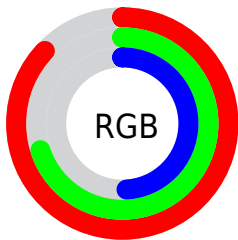
Format	Color
R <sub>Y</sub> B	201, 221, 126
Decimal	14529406
CIE Lab	75.53, 8.34, 32.77
CIE LCh	76, 33.812, 75.728
Yxy	49.1187, 0.3963, 0.3916
Android (android.graphics.Color)	4292719486 (0xFFDDB37E)
YUV	185.5160, -29.3414, 31.1195
Hunter-Lab	70.0847, 3.9544, 26.5531

# Details

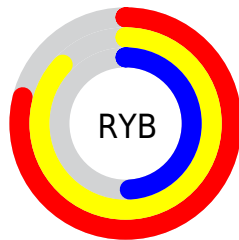
The Yxy color **49.1187, 0.3963, 0.3916** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **37.6729, 0.2424, 0.2560**, and the grayscale version is **48.9698, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.9313, 0.3633, 0.3855**, and **23.3360, 0.4188, 0.4060** is the 20% darker color. If you saturate the color by 10%, you get **44.8319, 0.4207, 0.4052**, and if you desaturate by 10%, it is **53.8140, 0.3735, 0.3769**.

# Distribution



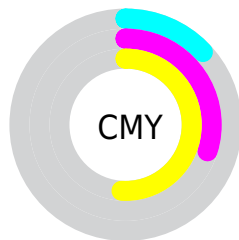
- Red (87%)
- Green (70%)
- Blue (49%)



- Red (79%)
- Yellow (87%)
- Blue (49%)



- Cyan (0%)
- Magenta (19%)
- Yellow (43%)
- Black (13%)




- Cyan (13%)
- Magenta (30%)
- Yellow (51%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 49.1187, 0.3963, 0.3916 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 49.1187, 0.3963, 0.3916 by changing the saturation by 10% instead.




 49.1187, 0.3963,  
0.3916


 49.1187, 0.3963,  
0.3916


383.2094, 0.3552,  
0.3620


 34.7136, 0.4061,  
0.3983


 88.8677, 0.3816,  
0.3813

 23.4424, 0.4184,  
0.4064


 114.9805, 0.3760,  
0.3773

 14.9205, 0.4341,  
0.4163


 145.7646, 0.3713,  
0.3739

 8.7636, 0.4546,  
0.4282

181.6045, 0.3671,  
0.3709

 4.5873, 0.4819,  
0.4423

222.8845, 0.3636,  
0.3682

 2.0072, 0.5319,  
0.4681

269.9891, 0.3604,

 0.6117, 0.5620,

0.3659

0.4380

323.3026, 0.3576,  
0.3638

0.0000, 0.0000,  
0.0000

49.1187, 0.3963,  
0.3916

49.1187, 0.3963,  
0.3916

44.8319, 0.4207,  
0.4052

53.8140, 0.3735,  
0.3769

40.9324, 0.4458,  
0.4165

58.9238, 0.3526,  
0.3619

37.4072, 0.4706,  
0.4243

64.4631, 0.3339,  
0.3471

34.2395, 0.4935,  
0.4275

70.4434, 0.3173,  
0.3330

31.4098, 0.5133,  
0.4253

76.8761, 0.3026,  
0.3198

■ 29.6073, 0.5253,  
0.4211

■ 83.5365, 0.2918,  
0.3111

■ 89.3721, 0.2921,  
0.3212

■ 94.1141, 0.2923,  
0.3289

# Harmonies

## Analogous

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



49.1187, 0.4052, 0.3582



49.1187, 0.3963, 0.3916



49.1187, 0.3645, 0.4115

# Triad

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



49.1187, 0.3963, 0.3916



49.1187, 0.2428, 0.3307



49.1187, 0.2998, 0.2638

# Complementary

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



49.1187, 0.3963, 0.3916



37.6729, 0.2424, 0.2560

# 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.



49.1187, 0.2591, 0.2545



49.1187, 0.3963, 0.3916



49.1187, 0.2282, 0.2890

# Square

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



49.1187, 0.3963, 0.3916



49.1187, 0.2757, 0.3762



49.1187, 0.2340, 0.2625



49.1187, 0.3472, 0.2875



# Rectangle

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



49.1187, 0.3963, 0.3916



49.1187, 0.3355, 0.4118



49.1187, 0.2340, 0.2625



49.1187, 0.2849, 0.2589

# Sweetspot

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



49.1210, 0.3963, 0.3916



89.0462, 0.3341, 0.3473



33.1551, 0.3731, 0.2785



18.6840, 0.3381, 0.3505



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.



49.1210, 0.3963, 0.3916



62.3169, 0.4192, 0.4044



67.8650, 0.3727, 0.4359



14.2500, 0.3278, 0.3420



17.4267, 0.5233, 0.4227



1.2998, 0.5018, 0.4398

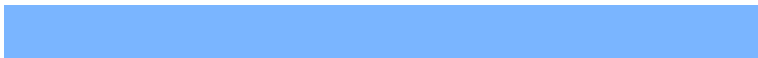


# Inverse Universe

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



37.6729, 0.2424, 0.2560



44.4514, 0.2269, 0.2364



24.9530, 0.2360, 0.1973



13.5602, 0.2982, 0.3156



8.2964, 0.1722, 0.1399



0.7074, 0.1810, 0.1715



# Previews

## White Background



This preview shows how the Yxy color 49.1187, 0.3963, 0.3916 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 49.1187, 0.3963, 0.3916 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

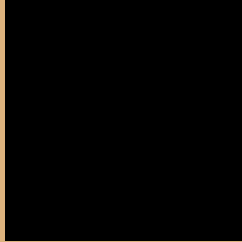
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 49.1187, 0.3963, 0.3916**

## Background



This preview shows how black text looks on a background with the Yxy color 49.1187, 0.3963, 0.3916.



This preview shows how white text looks on a background with the Yxy color 49.1187, 0.3963, 0.3916.

# 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

49.1187, 0.3963, 0.3916

### Protanopia

49.1203, 0.3721, 0.4007

### Deuteranopia

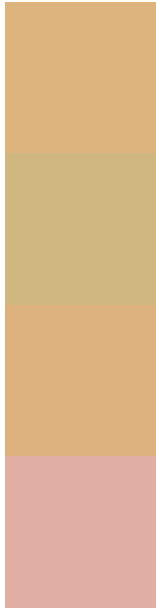
49.0351, 0.3987, 0.3901



## Tritanopia

48.9595, 0.3516, 0.3130

# Trichromacy



**Original Color**

49.1187, 0.3963, 0.3916

**Protanomaly**

48.8354, 0.3807, 0.3969

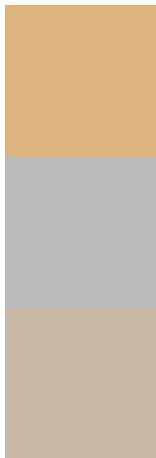
**Deuteranomaly**

48.8767, 0.3977, 0.3903

**Tritanomaly**

48.9600, 0.3682, 0.3409

# Monochromacy



**Original Color**

49.1187, 0.3963, 0.3916

**Achromatopsia**

49.1021, 0.3127, 0.3290

**Achromatomaly**

48.6894, 0.3422, 0.3531

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 49.1187, 0.3963, 0.3916 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, 179, 126)` looks like.

```
.text, #text, p{  
    color:rgb(221, 179, 126)  
}
```

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, 179, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 179, 126) }
```

## Border

The CSS property to change the border of an element to Yxy 49.1187, 0.3963, 0.3916 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, 179, 126) }
```

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

```
.border{ border-color:rgb(221, 179, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 179, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 179, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 179, 126);  
box-shadow:4px 4px 4px 4px rgb(221, 179,  
126) }
```



# Background

The CSS property to change the background color of an element to Yxy 49.1187, 0.3963, 0.3916 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 179, 126) }
```

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

```
.background{ background-color: rgb(221,  
179, 126) }
```

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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