

# Converting Colors

Yxy(49.4130, 0.3748, 0.3629)

Have a look what the booklet for  
Yxy(49.4130, 0.3748, 0.3629)  
contains.

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# Color

**Yxy(49.2584, 0.3749, 0.3625)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DCB296
RGB	220, 178, 150
RGB Percent	86%, 70%, 59%
CMY	0.1372, 0.3020, 0.4117
CMYK	0.00, 0.19, 0.32, 0.14
HSL	24°, 50%, 73%
HSV	24°, 32%, 86%
XYZ	50.9434, 49.2584, 35.6835
YIQ	187.3660, 34.0200, 0.1960

# Conversions

## Conversions Part 2

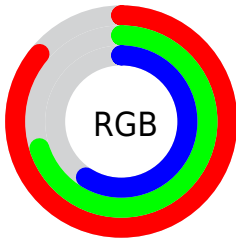
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	220, 197, 150
Decimal	14463638
CIE Lab	75.61, 11.27, 20.06
CIE LCh	76, 23.011, 60.671
Yxy	49.2584, 0.3749, 0.3625
Android (android.graphics.Color)	4292653718 (0xFFDCB296)
YUV	187.3660, -18.4214, 28.6200
Hunter-Lab	70.1843, 6.7419, 18.9845

# Details

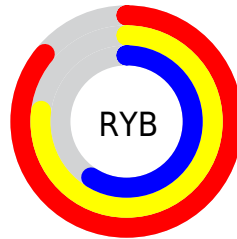
The Yxy color **49.2584, 0.3749, 0.3625** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **49.3631, 0.2630, 0.2927**, and the grayscale version is **50.0053, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.4653, 0.3468, 0.3592**, and **23.4606, 0.3928, 0.3702** is the 20% darker color. If you saturate the color by 10%, you get **43.6129, 0.4009, 0.3733**, and if you desaturate by 10%, it is **55.5474, 0.3521, 0.3515**.

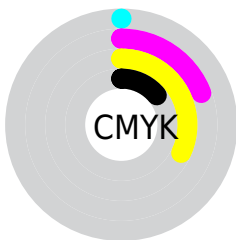
# Distribution



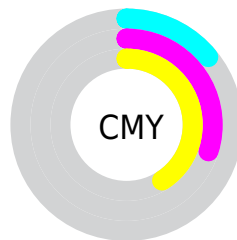
- Red (86%)
- Green (70%)
- Blue (59%)



- Red (86%)
- Yellow (77%)
- Blue (59%)



- Cyan (0%)
- Magenta (19%)
- Yellow (32%)
- Black (14%)




- Cyan (14%)
- Magenta (30%)
- Yellow (41%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 49.2584, 0.3749, 0.3625 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 49.2584, 0.3749, 0.3625 by changing the saturation by 10% instead.




 49.2584, 0.3749,  
0.3625

 49.2584, 0.3749,  
0.3625


383.7587, 0.3439,  
0.3466

 34.8245, 0.3825,  
0.3661


 89.0751, 0.3637,  
0.3570

 23.5277, 0.3923,  
0.3706


 115.2267, 0.3595,  
0.3548

 14.9837, 0.4051,  
0.3762


146.0530, 0.3559,  
0.3530

 8.8079, 0.4226,  
0.3834

181.9384, 0.3528,  
0.3514

 4.6161, 0.4478,  
0.3924

223.2673, 0.3501,  
0.3500

 2.0238, 0.4938,  
0.4093

270.4240, 0.3478,

 0.6213, 0.5822,

0.3487

0.4178

323.7930, 0.3457,  
0.3476

0.0000, 0.0000,  
0.0000

49.2584, 0.3749,  
0.3625

49.2584, 0.3749,  
0.3625

43.6129, 0.4009,  
0.3733

55.5474, 0.3521,  
0.3515

38.5822, 0.4299,  
0.3833

62.4936, 0.3324,  
0.3409

34.1457, 0.4614,  
0.3913

70.1187, 0.3155,  
0.3308

30.2787, 0.4938,  
0.3961

78.4414, 0.3010,  
0.3214

26.9540, 0.5251,  
0.3965

87.1520, 0.2914,  
0.3177

■ 24.1417, 0.5526,  
0.3916

■ 93.9569, 0.2917,  
0.3289

■ 22.1906, 0.5716,  
0.3843

# Harmonies

## Analogous

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



49.2584, 0.3713, 0.3373



49.2584, 0.3749, 0.3625



49.2584, 0.3610, 0.3806

# Triad

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



49.2584, 0.3749, 0.3625



49.2584, 0.2748, 0.3462



49.2584, 0.2891, 0.2786

# Complementary

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



49.2584, 0.3749, 0.3625



49.3631, 0.2630, 0.2927

# 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.



49.2584, 0.2653, 0.2786



49.2584, 0.3749, 0.3625



49.2584, 0.2574, 0.3160

# Square

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



49.2584, 0.3749, 0.3625



49.2584, 0.3028, 0.3725



49.2584, 0.2540, 0.2915



49.2584, 0.3204, 0.2905



# Rectangle

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



49.2584, 0.3749, 0.3625



49.2584, 0.3442, 0.3854



49.2584, 0.2540, 0.2915



49.2584, 0.2800, 0.2772

# Sweetspot

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



49.2607, 0.3749, 0.3625



89.0862, 0.3293, 0.3391



40.8932, 0.3411, 0.2786



18.7566, 0.3319, 0.3405



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.



49.2607, 0.3749, 0.3625



63.5933, 0.3914, 0.3696



64.4277, 0.3631, 0.3998



13.9017, 0.3282, 0.3384



13.2268, 0.5689, 0.3865



1.0226, 0.5391, 0.4101

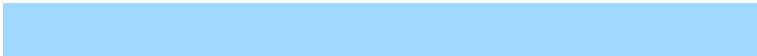


# Inverse Universe

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



49.3631, 0.2630, 0.2927



63.7428, 0.2530, 0.2840



36.1694, 0.2575, 0.2467



13.9105, 0.2982, 0.3194



12.9474, 0.1870, 0.1931



1.0057, 0.1938, 0.2176



# Previews

## White Background



This preview shows how the Yxy color 49.2584, 0.3749, 0.3625 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

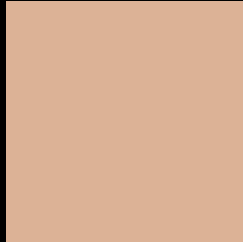
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 49.2584, 0.3749, 0.3625 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

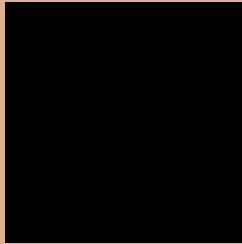
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 49.2584, 0.3749, 0.3625**

## Background



This preview shows how black text looks on a background with the Yxy color 49.2584, 0.3749, 0.3625.



This preview shows how white text looks on a background with the Yxy color 49.2584, 0.3749, 0.3625.

# 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

49.2584, 0.3749, 0.3625

### Protanopia

49.3212, 0.3480, 0.3698

### Deuteranopia

49.1939, 0.3718, 0.3640



## Tritanopia

49.2796, 0.3476, 0.3140

# Trichromacy



## Original Color

49.2584, 0.3749, 0.3625

## Protanomaly

49.1460, 0.3569, 0.3665

## Deuteranomaly

49.3476, 0.3727, 0.3639

## Tritanomaly

49.3650, 0.3579, 0.3315

# Monochromacy



## Original Color

49.2584, 0.3749, 0.3625

## Achromatopsia

49.6933, 0.3127, 0.3290

## Achromatomaly

49.4791, 0.3337, 0.3416

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 49.2584, 0.3749, 0.3625 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(220, 178, 150)` looks like.

```
.text, #text, p{  
    color:rgb(220, 178, 150)  
}
```

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(220, 178, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 178, 150) }
```

## Border

The CSS property to change the border of an element to Yxy 49.2584, 0.3749, 0.3625 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(220, 178, 150) }
```

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

```
.border{ border-color:rgb(220, 178, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 178, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 178, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 178, 150);  
box-shadow:4px 4px 4px 4px rgb(220, 178,  
150) }
```



# Background

The CSS property to change the background color of an element to Yxy 49.2584, 0.3749, 0.3625 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 178, 150) }
```

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

```
.background{ background-color: rgb(220,  
178, 150) }
```

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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