

# Converting Colors

$Yxy(49.9210, 0.3580, 0.3398)$

Have a look what the booklet for  
Yxy(49.9210, 0.3580, 0.3398)  
contains.

<b>Yxy(49.9210, 0.3580, 0.3398)</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(49.9210, 0.3580, 0.3398)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DCB2A9
RGB	220, 178, 169
RGB Percent	86%, 70%, 66%
CMY	0.1373, 0.3019, 0.3373
CMYK	0.00, 0.19, 0.23, 0.14
HSL	11°, 42%, 76%
HSV	11°, 23%, 86%
XYZ	52.5948, 49.9210, 44.3971
YIQ	189.5320, 27.9210, 6.1050

# Conversions

## Conversions Part 2

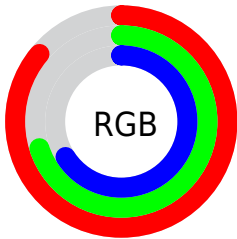
Format	Color
R <sub>Y</sub> B	220, 180, 169
Decimal	14463657
CIE Lab	76.02, 13.85, 10.35
CIE LCh	76, 17.291, 36.767
Yxy	49.9210, 0.3580, 0.3398
Android (android.graphics.Color)	4292653737 (0xFFDCB2A9)
YUV	189.5320, -10.1223, 26.7204
Hunter-Lab	70.6548, 9.2280, 12.2025

# Details

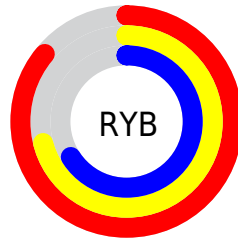
The Yxy color **49.9210, 0.3580, 0.3398** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **60.1797, 0.2777, 0.3179**, and the grayscale version is **51.2574, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.4875, 0.3335, 0.3390**, and **23.8441, 0.3706, 0.3418** is the 20% darker color. If you saturate the color by 10%, you get **42.4272, 0.3846, 0.3448**, and if you desaturate by 10%, it is **58.5099, 0.3359, 0.3350**.

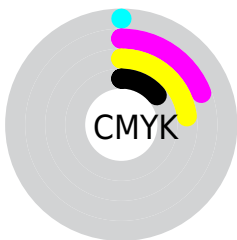
# Distribution



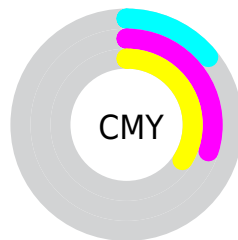
- Red (86%)
- Green (70%)
- Blue (66%)



- Red (86%)
- Yellow (71%)
- Blue (66%)



- Cyan (0%)
- Magenta (19%)
- Yellow (23%)
- Black (14%)




- Cyan (14%)
- Magenta (30%)
- Yellow (34%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 49.9210, 0.3580, 0.3398 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 49.9210, 0.3580, 0.3398 by changing the saturation by 10% instead.




 49.9210, 0.3580,  
0.3398

 49.9210, 0.3580,  
0.3398


386.3569, 0.3354,  
0.3349

 35.3506, 0.3636,  
0.3409


 90.0578, 0.3498,  
0.3381

 23.9331, 0.3708,  
0.3422


116.3931, 0.3467,  
0.3374

 15.2840, 0.3803,  
0.3438


147.4187, 0.3441,  
0.3369

 9.0189, 0.3935,  
0.3458

183.5192, 0.3419,  
0.3364

 4.7535, 0.4129,  
0.3483

225.0788, 0.3400,  
0.3359

 2.1034, 0.4443,  
0.3508

272.4821, 0.3383,

 0.6665, 0.5940,

0.3355

0.4047

326.1133, 0.3368,  
0.3352

0.0000, 0.0000,  
0.0000

49.9210, 0.3580,  
0.3398

49.9210, 0.3580,  
0.3398

42.4272, 0.3846,  
0.3448

58.5099, 0.3359,  
0.3350

35.9777, 0.4164,  
0.3496

68.2285, 0.3178,  
0.3304

30.5279, 0.4533,  
0.3537

79.1183, 0.3028,  
0.3262

26.0271, 0.4944,  
0.3563

91.0877, 0.2916,  
0.3243

22.4203, 0.5369,  
0.3567

93.9545, 0.2917,  
0.3289

■ 19.6466, 0.5765,  
0.3540

■ 17.6369, 0.6078,  
0.3481

■ 16.6578, 0.6232,  
0.3434

# Harmonies

## Analogous

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



49.9210, 0.3452, 0.3198



49.9210, 0.3580, 0.3398



49.9210, 0.3581, 0.3579

# Triad

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



49.9210, 0.3580, 0.3398



49.9210, 0.3008, 0.3578



49.9210, 0.2800, 0.2901

# Complementary

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



49.9210, 0.3580, 0.3398



60.1797, 0.2777, 0.3179

# 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.



49.9210, 0.2692, 0.2983



49.9210, 0.3580, 0.3398



49.9210, 0.2808, 0.3374

# Square

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



49.9210, 0.3580, 0.3398



49.9210, 0.3245, 0.3696



49.9210, 0.2695, 0.3154



49.9210, 0.2997, 0.2918



# Rectangle

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



49.9210, 0.3580, 0.3398



49.9210, 0.3510, 0.3665



49.9210, 0.2695, 0.3154



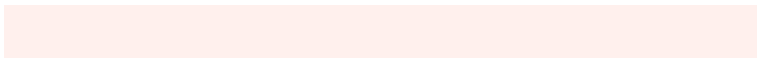
49.9210, 0.2752, 0.2917

# Sweetspot

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



49.9233, 0.3580, 0.3398



89.8830, 0.3244, 0.3321



48.3168, 0.3224, 0.2806



19.0601, 0.3255, 0.3324



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.



49.9233, 0.3580, 0.3398



64.2828, 0.3708, 0.3423



60.7877, 0.3516, 0.3684



13.4217, 0.3287, 0.3332



9.8915, 0.6211, 0.3451



0.7546, 0.5913, 0.3687

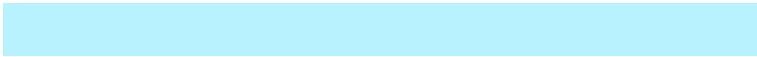


# Inverse Universe

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



60.1797, 0.2777, 0.3179



81.0921, 0.2705, 0.3152



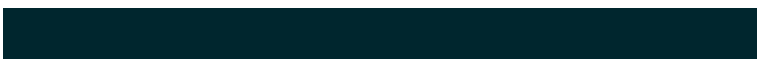
48.7170, 0.2752, 0.2862



14.4176, 0.2982, 0.3248



22.6035, 0.2088, 0.2718



1.5691, 0.2117, 0.2821



# Previews

## White Background



This preview shows how the Yxy color 49.9210, 0.3580, 0.3398 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

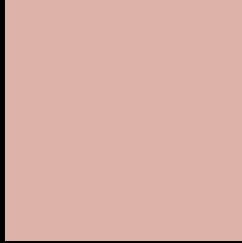
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 49.9210, 0.3580, 0.3398 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

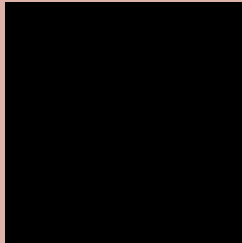
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 49.9210, 0.3580, 0.3398**

## Background



This preview shows how black text looks on a background with the Yxy color 49.9210, 0.3580, 0.3398.



This preview shows how white text looks on a background with the Yxy color 49.9210, 0.3580, 0.3398.

# 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

49.9210, 0.3580, 0.3398

### Protanopia

50.0660, 0.3289, 0.3455

### Deuteranopia

50.0210, 0.3518, 0.3448



## Tritanopia

49.8637, 0.3428, 0.3128

# Trichromacy



## Original Color

49.9210, 0.3580, 0.3398

## Protanomaly

49.9560, 0.3388, 0.3439

## Deuteranomaly

50.0686, 0.3547, 0.3435

## Tritanomaly

49.8002, 0.3479, 0.3221

# Monochromacy



## Original Color

49.9210, 0.3580, 0.3398

## Achromatopsia

51.4918, 0.3127, 0.3290

## Achromatomaly

50.9127, 0.3286, 0.3340

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 49.9210, 0.3580, 0.3398 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, 169)` looks like.

```
.text, #text, p{  
    color:rgb(220, 178, 169)  
}
```

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, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 178, 169) }
```

## Border

The CSS property to change the border of an element to Yxy 49.9210, 0.3580, 0.3398 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, 169) }
```

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

```
.border{ border-color:rgb(220, 178, 169) }
```

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, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 178, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 178, 169);  
box-shadow:4px 4px 4px 4px rgb(220, 178,  
169) }
```



# Background

The CSS property to change the background color of an element to Yxy 49.9210, 0.3580, 0.3398 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, 169) }
```

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

```
.background{ background-color: rgb(220,  
178, 169) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor