

# Converting Colors

$Y_{xy}(50.9238, 0.3636, 0.3685)$

Have a look what the booklet for  
Yxy(50.9238, 0.3636, 0.3685)  
contains.

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# **Color**

**Yxy(50.9620, 0.3635, 0.3692)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D4B998
RGB	212, 185, 152
RGB Percent	83%, 73%, 60%
CMY	0.1685, 0.2745, 0.4039
CMYK	0.00, 0.13, 0.28, 0.17
HSL	33°, 41%, 71%
HSV	33°, 28%, 83%
XYZ	50.1752, 50.9620, 36.8964
YIQ	189.3110, 26.6850, -4.5390

# Conversions

## Conversions Part 2

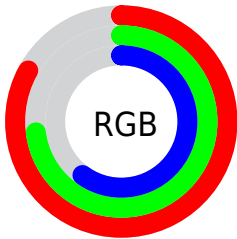
Format	Color
R <sub>Y</sub> B	201, 212, 152
Decimal	13941144
CIE Lab	76.66, 4.72, 20.32
CIE LCh	77, 20.858, 76.924
Yxy	50.9620, 0.3635, 0.3692
Android (android.graphics.Color)	4292131224 (0xFFD4B998)
YUV	189.3110, -18.3943, 19.8983
Hunter-Lab	71.3877, 0.5313, 19.3276

# Details

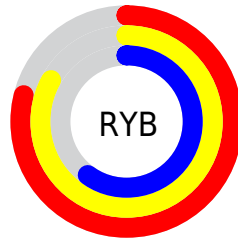
The Yxy color **50.9620, 0.3635, 0.3692** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **43.6870, 0.2673, 0.2851**, and the grayscale version is **51.1752, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.6268, 0.3442, 0.3639**, and **24.6102, 0.3777, 0.3793** is the 20% darker color. If you saturate the color by 10%, you get **46.4679, 0.3855, 0.3839**, and if you desaturate by 10%, it is **55.8534, 0.3436, 0.3545**.

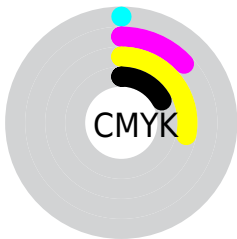
# Distribution



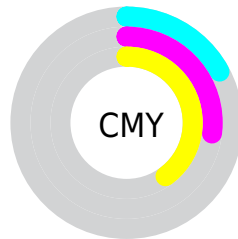
- Red (83%)
- Green (73%)
- Blue (60%)



- Red (79%)
- Yellow (83%)
- Blue (60%)



- Cyan (0%)
- Magenta (13%)
- Yellow (28%)
- Black (17%)




- Cyan (17%)
- Magenta (27%)
- Yellow (40%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 50.9620, 0.3635, 0.3692 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 50.9620, 0.3635, 0.3692 by changing the saturation by 10% instead.





 50.9620, 0.3635,  
0.3692

 50.9620, 0.3635,  
0.3692


390.4161, 0.3385,  
0.3498

 36.1784, 0.3696,  
0.3738


 91.5986, 0.3545,  
0.3623

 24.5720, 0.3773,  
0.3796


 118.2204, 0.3511,  
0.3597

 15.7585, 0.3875,  
0.3870


149.5569, 0.3482,  
0.3574

 9.3534, 0.4012,  
0.3968

185.9928, 0.3457,  
0.3555

 4.9724, 0.4206,  
0.4101

227.9122, 0.3435,  
0.3538

 2.2311, 0.4537,  
0.4324

275.6996, 0.3416,

 0.7369, 0.5253,

0.3523

0.4747

329.7395, 0.3400,  
0.3509

0.0000, 0.0000,  
0.0000

50.9620, 0.3635,  
0.3692

50.9620, 0.3635,  
0.3692

46.4679, 0.3855,  
0.3839

55.8534, 0.3436,  
0.3545

42.3524, 0.4094,  
0.3979

61.1463, 0.3259,  
0.3403

38.6049, 0.4345,  
0.4102

66.8537, 0.3102,  
0.3268

35.2121, 0.4599,  
0.4197

72.9859, 0.2965,  
0.3142

32.1590, 0.4842,  
0.4251

79.3567, 0.2861,  
0.3056

■ 29.4289, 0.5061,  
0.4254

■ 84.9036, 0.2866,  
0.3158

■ 26.9997, 0.5244,  
0.4205

■ 90.7476, 0.2870,  
0.3257

■ 26.6155, 0.5274,  
0.4194

■ 92.7424, 0.2872,  
0.3289

# Harmonies

## Analogous

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



50.9620, 0.3689, 0.3494



50.9620, 0.3635, 0.3692



50.9620, 0.3442, 0.3792

# Triad

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



50.9620, 0.3635, 0.3692



50.9620, 0.2687, 0.3297



50.9620, 0.3064, 0.2882

# Complementary

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



50.9620, 0.3635, 0.3692



43.6870, 0.2673, 0.2851

# 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.



50.9620, 0.2806, 0.2821



50.9620, 0.3635, 0.3692



50.9620, 0.2596, 0.3046

# Square

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



50.9620, 0.3635, 0.3692



50.9620, 0.2894, 0.3561



50.9620, 0.2638, 0.2876



50.9620, 0.3351, 0.3038



# Rectangle

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



50.9620, 0.3635, 0.3692



50.9620, 0.3264, 0.3779



50.9620, 0.2638, 0.2876



50.9620, 0.2971, 0.2850

# Sweetspot

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



50.9643, 0.3635, 0.3692



93.0318, 0.3255, 0.3399



39.7541, 0.3459, 0.2949



19.6420, 0.3280, 0.3421



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.



50.9643, 0.3635, 0.3692



73.1834, 0.3766, 0.3781



63.0785, 0.3536, 0.3997



13.5408, 0.3277, 0.3418



16.6277, 0.5255, 0.4210



1.1672, 0.5022, 0.4394



# Inverse Universe

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



43.6870, 0.2673, 0.2851



60.3742, 0.2572, 0.2740



34.0811, 0.2651, 0.2479



12.9206, 0.2982, 0.3158



8.2361, 0.1730, 0.1426



0.6607, 0.1822, 0.1759



# Previews

## White Background



This preview shows how the Yxy color 50.9620, 0.3635, 0.3692 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

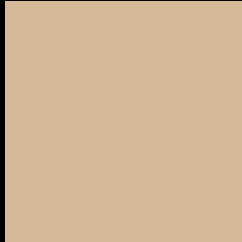
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 50.9620, 0.3635, 0.3692 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

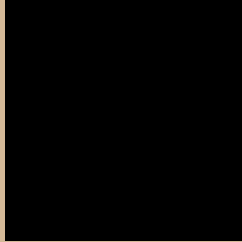
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

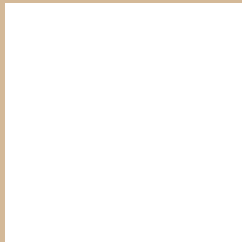
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 50.9620, 0.3635, 0.3692**

## **Background**



This preview shows how black text looks on a background with the Yxy color 50.9620, 0.3635, 0.3692.



This preview shows how white text looks on a background with the Yxy color 50.9620, 0.3635, 0.3692.

# 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

50.9620, 0.3635, 0.3692

### Protanopia

51.1458, 0.3508, 0.3729

### Deuteranopia

50.9714, 0.3708, 0.3636



## Tritanopia

50.8422, 0.3343, 0.3127

# Trichromacy



**Original Color**

50.9620, 0.3635, 0.3692

**Protanomaly**

51.2455, 0.3554, 0.3724

**Deuteranomaly**

50.9186, 0.3678, 0.3651

**Tritanomaly**

50.7092, 0.3450, 0.3327

# Monochromacy



**Original Color**

50.9620, 0.3635, 0.3692

**Achromatopsia**

50.8881, 0.3127, 0.3290

**Achromatomaly**

50.9713, 0.3297, 0.3440

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 50.9620, 0.3635, 0.3692 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(212, 185, 152)` looks like.

```
.text, #text, p{  
    color:rgb(212, 185, 152)  
}
```

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(212, 185, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 185, 152) }
```

## Border

The CSS property to change the border of an element to Yxy 50.9620, 0.3635, 0.3692 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(212, 185, 152) }
```

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

```
.border{ border-color:rgb(212, 185, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 185, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 185, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 185, 152);  
box-shadow:4px 4px 4px 4px rgb(212, 185,  
152) }
```



# Background

The CSS property to change the background color of an element to Yxy 50.9620, 0.3635, 0.3692 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 185, 152) }
```

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

```
.background{ background-color: rgb(212,  
185, 152) }
```

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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