

# Converting Colors

$Y_{xy}(49.6513, 0.3611, 0.3623)$

Have a look what the booklet for  
Yxy(49.6513, 0.3611, 0.3623)  
contains.

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# Color

**Yxy(49.6713, 0.3609, 0.3621)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D3B69B
RGB	211, 182, 155
RGB Percent	83%, 71%, 61%
CMY	0.1726, 0.2862, 0.3921
CMYK	0.00, 0.14, 0.27, 0.17
HSL	29°, 39%, 72%
HSV	29°, 27%, 83%
XYZ	49.5067, 49.6713, 37.9977
YIQ	187.5930, 25.9510, -2.2490

# Conversions

## Conversions Part 2

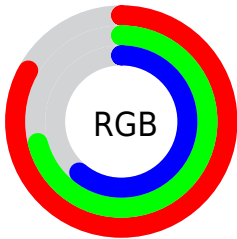
Format	Color
RYB	211, 207, 155
Decimal	13874843
CIELab	75.87, 6.32, 17.58
CIELCh	76, 18.683, 70.239
Yxy	49.6713, 0.3609, 0.3621
Android (android.graphics.Color)	4292064923 (0xFFD3B69B)
YUV	187.5930, -16.0683, 20.5279
Hunter-Lab	70.4779, 2.0498, 17.3687

# Details

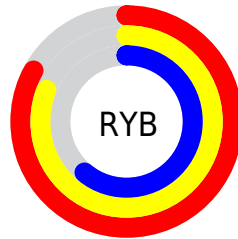
The Yxy color  $49.6713, 0.3609, 0.3621$  is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be  $45.9541, 0.2708, 0.2934$ , and the grayscale version is  $50.1295, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $87.0622, 0.3422, 0.3570$ , and  $23.7679, 0.3745, 0.3700$  is the 20% darker color. If you saturate the color by 10%, you get  $44.7235, 0.3837, 0.3752$ , and if you desaturate by 10%, it is  $55.0966, 0.3407, 0.3492$ .

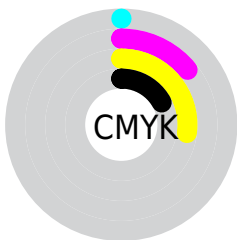
# Distribution



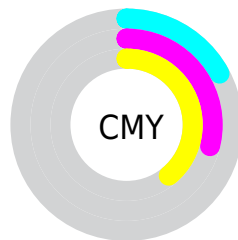
- Red (83%)
- Green (71%)
- Blue (61%)



- Red (83%)
- Yellow (81%)
- Blue (61%)



- Cyan (0%)
- Magenta (14%)
- Yellow (27%)
- Black (17%)




- Cyan (17%)
- Magenta (29%)
- Yellow (39%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 49.6713, 0.3609, 0.3621 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 49.6713, 0.3609, 0.3621 by changing the saturation by 10% instead.




 49.6713, 0.3609,  
0.3621


 49.6713, 0.3609,  
0.3621


385.3791, 0.3370,  
0.3461

 35.1523, 0.3668,  
0.3659


 89.6877, 0.3523,  
0.3564

 23.7802, 0.3743,  
0.3707


 115.9538, 0.3490,  
0.3542

 15.1707, 0.3842,  
0.3768


146.9045, 0.3462,  
0.3524

 8.9392, 0.3978,  
0.3849

182.9240, 0.3439,  
0.3508

 4.7016, 0.4173,  
0.3960

224.3969, 0.3418,  
0.3494

 2.0733, 0.4500,  
0.4137

271.7074, 0.3400,

 0.6495, 0.5429,

0.3482

0.4571

325.2400, 0.3384,  
0.3471

0.0000, 0.0000,  
0.0000

49.6713, 0.3609,  
0.3621

49.6713, 0.3609,  
0.3621

44.7235, 0.3837,  
0.3752

55.0966, 0.3407,  
0.3492

40.2320, 0.4089,  
0.3877

61.0063, 0.3230,  
0.3367

36.1840, 0.4362,  
0.3989

67.4157, 0.3076,  
0.3250

32.5630, 0.4645,  
0.4075

74.3371, 0.2942,  
0.3142

29.3516, 0.4925,  
0.4123

81.4223, 0.2856,  
0.3097

■ 26.5300, 0.5183,  
0.4120

■ 87.9293, 0.2862,  
0.3212

■ 24.0756, 0.5402,  
0.4063

■ 92.5869, 0.2866,  
0.3289

■ 23.2985, 0.5473,  
0.4037

# Harmonies

## Analogous

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



49.6713, 0.3625, 0.3430



49.6713, 0.3609, 0.3621



49.6713, 0.3460, 0.3733

# Triad

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



49.6713, 0.3609, 0.3621



49.6713, 0.2763, 0.3352



49.6713, 0.3014, 0.2898

# Complementary

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



49.6713, 0.3609, 0.3621



45.9541, 0.2708, 0.2934

# 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.



49.6713, 0.2794, 0.2867



49.6713, 0.3609, 0.3621



49.6713, 0.2654, 0.3117

# Square

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



49.6713, 0.3609, 0.3621



49.6713, 0.2969, 0.3580



49.6713, 0.2665, 0.2942



49.6713, 0.3274, 0.3024



# Rectangle

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



49.6713, 0.3609, 0.3621



49.6713, 0.3308, 0.3741



49.6713, 0.2665, 0.2942



49.6713, 0.2933, 0.2876

# Sweetspot

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



49.6736, 0.3609, 0.3621



92.1998, 0.3256, 0.3386



40.7942, 0.3397, 0.2928



19.4326, 0.3282, 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.



49.6736, 0.3609, 0.3621



71.7546, 0.3738, 0.3697



61.8744, 0.3530, 0.3928



12.7355, 0.3279, 0.3402



14.2659, 0.5449, 0.4056



0.9562, 0.5159, 0.4286



# Inverse Universe

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



45.9541, 0.2708, 0.2934



65.0833, 0.2614, 0.2843



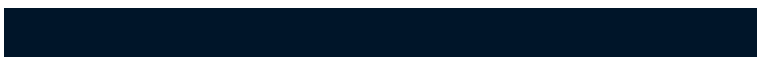
35.7491, 0.2673, 0.2561



12.4157, 0.2982, 0.3175



9.6781, 0.1791, 0.1649



0.6997, 0.1881, 0.1973



# Previews

## White Background



This preview shows how the Yxy color 49.6713, 0.3609, 0.3621 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 49.6713, 0.3609, 0.3621 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

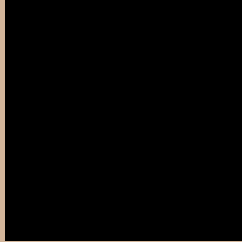
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 49.6713, 0.3609, 0.3621**

## **Background**



This preview shows how black text looks on a background with the Yxy color 49.6713, 0.3609, 0.3621.



This preview shows how white text looks on a background with the Yxy color 49.6713, 0.3609, 0.3621.

# 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

49.6713, 0.3609, 0.3621

### Protanopia

49.8453, 0.3453, 0.3671

### Deuteranopia

49.6080, 0.3661, 0.3593



## Tritanopia

49.6529, 0.3345, 0.3125

# Trichromacy



## Original Color

49.6713, 0.3609, 0.3621

## Protanomaly

49.6548, 0.3511, 0.3654

## Deuteranomaly

49.7104, 0.3640, 0.3606

## Tritanomaly

49.7507, 0.3445, 0.3303

# Monochromacy



## Original Color

49.6713, 0.3609, 0.3621

## Achromatopsia

50.2886, 0.3127, 0.3290

## Achromatomaly

49.9882, 0.3291, 0.3416

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 49.6713, 0.3609, 0.3621 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(211, 182, 155)` looks like.

```
.text, #text, p{  
    color:rgb(211, 182, 155)  
}
```

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(211, 182, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 182, 155) }
```

## Border

The CSS property to change the border of an element to Yxy 49.6713, 0.3609, 0.3621 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(211, 182, 155) }
```

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

```
.border{ border-color:rgb(211, 182, 155) }
```

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

Here you see how a box with a 4 pixel rgb(211, 182, 155) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 182, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 182, 155);  
box-shadow:4px 4px 4px 4px rgb(211, 182,  
155) }
```



# Background

The CSS property to change the background color of an element to Yxy 49.6713, 0.3609, 0.3621 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 182, 155) }
```

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

```
.background{ background-color: rgb(211,  
182, 155) }
```

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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