

# Converting Colors

$Yxy(44.5148, 0.3806, 0.3618)$

Have a look what the booklet for  
Yxy(44.5148, 0.3806, 0.3618)  
contains.

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# Color

**Yxy(44.6251, 0.3800, 0.3623)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D6A98E
RGB	214, 169, 142
RGB Percent	84%, 66%, 56%
CMY	0.1607, 0.3373, 0.4431
CMYK	0.00, 0.21, 0.34, 0.16
HSL	22°, 47%, 70%
HSV	22°, 34%, 84%
XYZ	46.8052, 44.6251, 31.7413
YIQ	179.3770, 35.4870, 1.1430

# Conversions

## Conversions Part 2

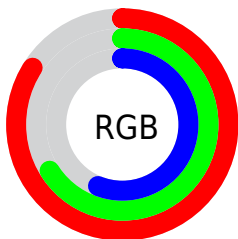
Format	Color
R <sub>Y</sub> B	214, 185, 142
Decimal	14068110
CIE Lab	72.64, 12.75, 20.22
CIE LCh	73, 23.908, 57.763
Yxy	44.6251, 0.3800, 0.3623
Android (android.graphics.Color)	4292258190 (0xFFD6A98E)
YUV	179.3770, -18.4269, 30.3644
Hunter-Lab	66.8020, 8.1636, 18.5894

# Details

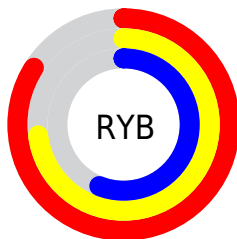
The Yxy color  $44.6251, 0.3800, 0.3623$  is a light color, and the websafe version is hex  $CC9966$ . A complement of this color would be  $46.1578, 0.2606, 0.2929$ , and the grayscale version is  $45.3789, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $78.5568, 0.3544, 0.3576$ , and  $20.7644, 0.3991, 0.3701$  is the 20% darker color. If you saturate the color by 10%, you get  $39.3187, 0.4071, 0.3724$ , and if you desaturate by 10%, it is  $50.5685, 0.3563, 0.3520$ .

# Distribution



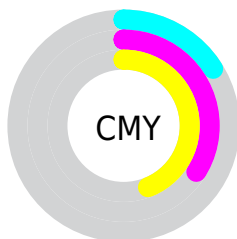
- Red (84%)
- Green (66%)
- Blue (56%)



- Red (84%)
- Yellow (73%)
- Blue (56%)



- Cyan (0%)
- Magenta (21%)
- Yellow (34%)
- Black (16%)




- Cyan (16%)
- Magenta (34%)
- Yellow (44%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.6251, 0.3800, 0.3623 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 44.6251, 0.3800, 0.3623 by changing the saturation by 10% instead.




 44.6251, 0.3800,  
0.3623


 44.6251, 0.3800,  
0.3623


365.2531, 0.3459,  
0.3464


 31.1622, 0.3886,  
0.3660


 82.1575, 0.3675,  
0.3567

 20.7224, 0.3996,  
0.3705


 106.9959, 0.3629,  
0.3546

 12.9213, 0.4143,  
0.3761


 136.3949, 0.3589,  
0.3527

 7.3743, 0.4346,  
0.3831

170.7389, 0.3556,  
0.3511

 3.6973, 0.4644,  
0.3916

210.4124, 0.3527,  
0.3497

 1.5057, 0.5432,  
0.4256

255.7996, 0.3501,

 0.2927, 0.6682,

0.3485

0.3318

307.2850, 0.3479,  
0.3474

0.0000, 0.0000,  
0.0000

44.6251, 0.3800,  
0.3623

44.6251, 0.3800,  
0.3623

39.3187, 0.4071,  
0.3724

50.5685, 0.3563,  
0.3520

34.6208, 0.4374,  
0.3814

57.1637, 0.3359,  
0.3419

30.5096, 0.4702,  
0.3884

64.4330, 0.3184,  
0.3323

26.9595, 0.5037,  
0.3920

72.3954, 0.3035,  
0.3234

23.9426, 0.5357,  
0.3911

81.0694, 0.2908,  
0.3152

■ 21.4277, 0.5633,  
0.3849

■ 89.4394, 0.2880,  
0.3231

■ 20.0677, 0.5783,  
0.3790

■ 93.0380, 0.2883,  
0.3289

# Harmonies

## Analogous

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



44.6251, 0.3743, 0.3350



44.6251, 0.3800, 0.3623



44.6251, 0.3667, 0.3829

# Triad

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



44.6251, 0.3800, 0.3623



44.6251, 0.2746, 0.3506



44.6251, 0.2844, 0.2745

# Complementary

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



44.6251, 0.3800, 0.3623



46.1578, 0.2606, 0.2929

# 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.



44.6251, 0.2601, 0.2757



44.6251, 0.3800, 0.3623



44.6251, 0.2547, 0.3179

# Square

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



44.6251, 0.3800, 0.3623



44.6251, 0.3052, 0.3780



44.6251, 0.2496, 0.2908



44.6251, 0.3175, 0.2862



# Rectangle

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



44.6251, 0.3800, 0.3623



44.6251, 0.3493, 0.3894



44.6251, 0.2496, 0.2908



44.6251, 0.2750, 0.2734

# Sweetspot

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



44.6272, 0.3800, 0.3623



88.7124, 0.3294, 0.3384



37.2612, 0.3420, 0.2744



18.6664, 0.3319, 0.3398



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.



44.6272, 0.3800, 0.3623



60.9236, 0.3979, 0.3692



59.6333, 0.3665, 0.4024



13.1759, 0.3282, 0.3378



12.3126, 0.5757, 0.3811



0.8992, 0.5431, 0.4070

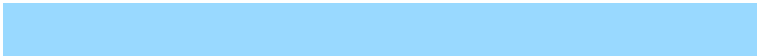


# Inverse Universe

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



46.1578, 0.2606, 0.2929



63.4975, 0.2505, 0.2843



32.9377, 0.2542, 0.2430



13.2892, 0.2982, 0.3201



13.4100, 0.1895, 0.2021



0.9655, 0.1962, 0.2264



# Previews

## White Background



This preview shows how the Yxy color 44.6251, 0.3800, 0.3623 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

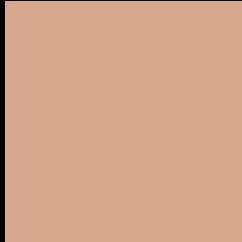
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 44.6251, 0.3800, 0.3623 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

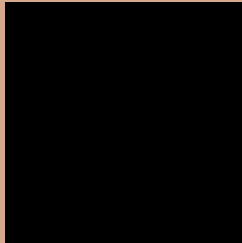
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 44.6251, 0.3800, 0.3623**

## Background



This preview shows how black text looks on a background with the Yxy color 44.6251, 0.3800, 0.3623.



This preview shows how white text looks on a background with the Yxy color 44.6251, 0.3800, 0.3623.

# 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

44.6251, 0.3800, 0.3623

### Protanopia

44.7349, 0.3495, 0.3714

### Deuteranopia

44.4887, 0.3734, 0.3655



## Tritanopia

44.6307, 0.3522, 0.3136

# Trichromacy



## Original Color

44.6251, 0.3800, 0.3623

## Protanomaly

44.7100, 0.3598, 0.3678

## Deuteranomaly

44.4041, 0.3757, 0.3640

## Tritanomaly

44.7045, 0.3631, 0.3316

# Monochromacy



## Original Color

44.6251, 0.3800, 0.3623

## Achromatopsia

45.0786, 0.3127, 0.3290

## Achromatomaly

44.6196, 0.3357, 0.3408

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.6251, 0.3800, 0.3623 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(214, 169, 142)` looks like.

```
.text, #text, p{  
    color:rgb(214, 169, 142)  
}
```

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(214, 169, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 169, 142) }
```

## Border

The CSS property to change the border of an element to Yxy 44.6251, 0.3800, 0.3623 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(214, 169, 142) }
```

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

```
.border{ border-color:rgb(214, 169, 142) }
```

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

Here you see how a box with a 4 pixel rgb(214, 169, 142) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 169, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 169, 142);  
box-shadow:4px 4px 4px 4px rgb(214, 169,  
142) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.6251, 0.3800, 0.3623 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 169, 142) }
```

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

```
.background{ background-color: rgb(214,  
169, 142) }
```

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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