

# Converting Colors

Yxy(45.5443, 0.3746, 0.3626)

Have a look what the booklet for  
Yxy(45.5443, 0.3746, 0.3626)  
contains.

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# Color

**Yxy(45.5464, 0.3741, 0.3625)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D4AC91
RGB	212, 172, 145
RGB Percent	83%, 67%, 57%
CMY	0.1688, 0.3254, 0.4314
CMYK	0.00, 0.19, 0.32, 0.17
HSL	24°, 44%, 70%
HSV	24°, 32%, 83%
XYZ	47.0039, 45.5464, 33.0950
YIQ	180.8820, 32.5070, 0.0830

# Conversions

## Conversions Part 2

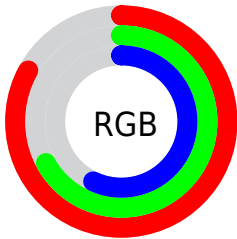
Format	Color
R <sub>Y</sub> B	212, 190, 145
Decimal	13937809
CIE Lab	73.25, 10.70, 19.41
CIE LCh	73, 22.162, 61.133
Yxy	45.5464, 0.3741, 0.3625
Android (android.graphics.Color)	4292127889 (0xFFD4AC91)
YUV	180.8820, -17.6898, 27.2905
Hunter-Lab	67.4881, 6.2170, 18.1669

# Details

The Yxy color  $45.5464, 0.3741, 0.3625$  is a light color, and the websafe version is hex `CC9999`. A complement of this color would be  $45.4314, 0.2634, 0.2928$ , and the grayscale version is  $46.2242, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $80.3217, 0.3516, 0.3574$ , and  $21.3090, 0.3919, 0.3720$  is the 20% darker color. If you saturate the color by 10%, you get  $40.3698, 0.3998, 0.3734$ , and if you desaturate by 10%, it is  $51.3067, 0.3515, 0.3515$ .

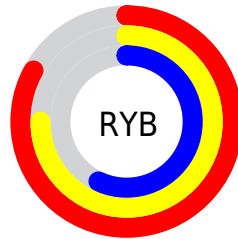
# Distribution



Red (83%)

Green (67%)

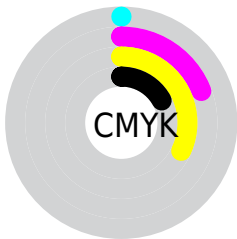
Blue (57%)



Red (83%)

Yellow (75%)

Blue (57%)

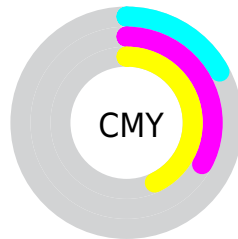


Cyan (0%)

Magenta (19%)

Yellow (32%)

Black (17%)



Cyan (17%)

Magenta (33%)


Yellow (43%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.5464, 0.3741, 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 45.5464, 0.3741, 0.3625 by changing the saturation by 10% instead.




 45.5464, 0.3741,  
0.3625

 45.5464, 0.3741,  
0.3625


368.9820, 0.3431,  
0.3464

 31.8880, 0.3819,  
0.3663


 83.5397, 0.3628,  
0.3568

 21.2760, 0.3919,  
0.3709


 108.6435, 0.3586,  
0.3546

 13.3259, 0.4051,  
0.3768


138.3312, 0.3550,  
0.3528

 7.6533, 0.4234,  
0.3844

172.9871, 0.3519,  
0.3512

 3.8739, 0.4502,  
0.3941

212.9958, 0.3493,  
0.3497

 1.6033, 0.5135,  
0.4231

258.7416, 0.3470,

 0.3598, 0.6264,

0.3485

0.3736

310.6089, 0.3449,  
0.3474

0.0000, 0.0000,  
0.0000

45.5464, 0.3741,  
0.3625

45.5464, 0.3741,  
0.3625

40.3698, 0.3998,  
0.3734

51.3067, 0.3515,  
0.3515

35.7511, 0.4286,  
0.3835

57.6628, 0.3320,  
0.3407

31.6716, 0.4598,  
0.3916

64.6345, 0.3152,  
0.3306

28.1091, 0.4919,  
0.3967

72.2384, 0.3008,  
0.3211

25.0394, 0.5230,  
0.3974

80.4908, 0.2884,  
0.3124

■ 22.4356, 0.5505,  
0.3928

■ 88.2523, 0.2868,  
0.3216

■ 20.5791, 0.5701,  
0.3855

■ 92.7303, 0.2871,  
0.3289

# Harmonies

## Analogous

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



45.5464, 0.3708, 0.3377



45.5464, 0.3741, 0.3625



45.5464, 0.3601, 0.3802

# Triad

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



45.5464, 0.3741, 0.3625



45.5464, 0.2749, 0.3456



45.5464, 0.2898, 0.2792

# Complementary

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



45.5464, 0.3741, 0.3625



45.4314, 0.2634, 0.2928

# 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.



45.5464, 0.2661, 0.2790



45.5464, 0.3741, 0.3625



45.5464, 0.2578, 0.3157

# Square

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



45.5464, 0.3741, 0.3625



45.5464, 0.3024, 0.3716



45.5464, 0.2547, 0.2917



45.5464, 0.3208, 0.2912



# Rectangle

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



45.5464, 0.3741, 0.3625



45.5464, 0.3434, 0.3848



45.5464, 0.2547, 0.2917



45.5464, 0.2808, 0.2778

# Sweetspot

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



45.5485, 0.3741, 0.3625



90.1872, 0.3275, 0.3381



37.7460, 0.3419, 0.2804



18.9800, 0.3301, 0.3396



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.



45.5485, 0.3741, 0.3625



63.7669, 0.3913, 0.3700



59.8201, 0.3623, 0.4003



13.2357, 0.3281, 0.3385



12.8953, 0.5676, 0.3875



0.9379, 0.5362, 0.4124

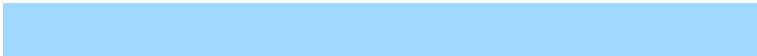


# Inverse Universe

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



45.4314, 0.2634, 0.2928



63.5469, 0.2530, 0.2835



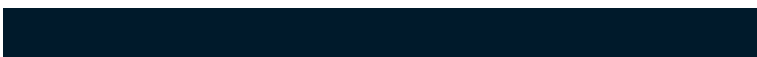
33.1225, 0.2579, 0.2460



13.2276, 0.2982, 0.3194



12.4110, 0.1866, 0.1918



0.9090, 0.1939, 0.2180



# Previews

## White Background



This preview shows how the Yxy color 45.5464, 0.3741, 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 45.5464, 0.3741, 0.3625 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

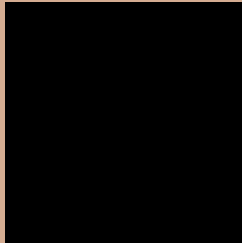
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 45.5464, 0.3741, 0.3625**

## Background



This preview shows how black text looks on a background with the Yxy color 45.5464, 0.3741, 0.3625.



This preview shows how white text looks on a background with the Yxy color 45.5464, 0.3741, 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

45.5464, 0.3741, 0.3625

### Protanopia

45.7596, 0.3473, 0.3698

### Deuteranopia

45.6331, 0.3719, 0.3639



## Tritanopia

45.5317, 0.3469, 0.3135

# Trichromacy



**Original Color**

45.5464, 0.3741, 0.3625

**Protanomaly**

45.5882, 0.3565, 0.3664

**Deuteranomaly**

45.7804, 0.3728, 0.3638

**Tritanomaly**

45.6130, 0.3575, 0.3316

# Monochromacy



**Original Color**

45.5464, 0.3741, 0.3625

**Achromatopsia**

46.2077, 0.3127, 0.3290

**Achromatomaly**

45.8744, 0.3334, 0.3420

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.5464, 0.3741, 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(212, 172, 145)` looks like.

```
.text, #text, p{  
    color:rgb(212, 172, 145)  
}
```

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, 172, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 172, 145) }
```

## Border

The CSS property to change the border of an element to Yxy 45.5464, 0.3741, 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(212, 172, 145) }
```

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

```
.border{ border-color:rgb(212, 172, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 172, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 172, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 172, 145);  
box-shadow:4px 4px 4px 4px rgb(212, 172,  
145) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.5464, 0.3741, 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(212, 172, 145) }
```

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

```
.background{ background-color: rgb(212,  
172, 145) }
```

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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