

# Converting Colors

$Y_{xy}(45.2095, 0.3690, 0.3393)$

Have a look what the booklet for  
Yxy(45.2095, 0.3690, 0.3393)  
contains.

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# Color

**Yxy(45.0461, 0.3685, 0.3388)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DAA79F
RGB	218, 167, 159
RGB Percent	85%, 65%, 62%
CMY	0.1450, 0.3451, 0.3764
CMYK	0.00, 0.23, 0.27, 0.15
HSL	8°, 44%, 74%
HSV	8°, 27%, 85%
XYZ	48.9949, 45.0461, 38.9167
YIQ	181.3370, 32.9640, 8.3240

# Conversions

## Conversions Part 2

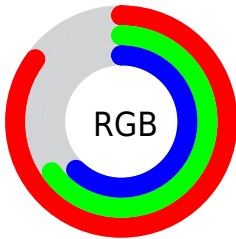
Format	Color
R <sub>Y</sub> B	218, 168, 159
Decimal	14329759
CIE Lab	72.92, 17.62, 11.38
CIE LCh	73, 20.974, 32.857
Yxy	45.0461, 0.3685, 0.3388
Android (android.graphics.Color)	4292519839 (0xFFDAA79F)
YUV	181.3370, -11.0121, 32.1535
Hunter-Lab	67.1164, 12.8513, 12.6028

# Details

The Yxy color  $45.0461, 0.3685, 0.3388$  is a light color, and the websafe version is hex  $CC9999$ . A complement of this color would be  $58.5435, 0.2725, 0.3189$ , and the grayscale version is  $46.4497, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $78.3576, 0.3421, 0.3372$ , and  $21.0256, 0.3844, 0.3405$  is the 20% darker color. If you saturate the color by 10%, you get  $37.9462, 0.3978, 0.3426$ , and if you desaturate by 10%, it is  $53.2904, 0.3443, 0.3350$ .

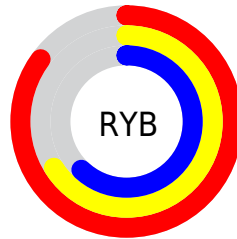
# Distribution



Red (85%)

Green (65%)

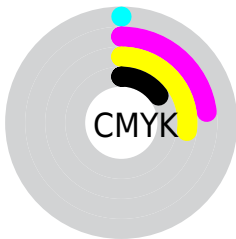
Blue (62%)



Red (85%)

Yellow (66%)

Blue (62%)

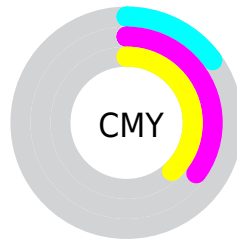


Cyan (0%)

Magenta (23%)

Yellow (27%)

Black (15%)



Cyan (15%)

Magenta (35%)


Yellow (38%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.0461, 0.3685, 0.3388 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 45.0461, 0.3685, 0.3388 by changing the saturation by 10% instead.





 45.0461, 0.3685,  
0.3388

 45.0461, 0.3685,  
0.3388


366.9602, 0.3402,  
0.3345

 31.4937, 0.3757,  
0.3397


 82.7896, 0.3581,  
0.3374

 20.9751, 0.3850,  
0.3407


 107.7495, 0.3543,  
0.3368

 13.1058, 0.3974,  
0.3419

137.2807, 0.3510,  
0.3363

 7.5014, 0.4149,  
0.3432

171.7676, 0.3482,  
0.3358

 3.7776, 0.4413,  
0.3441

211.5947, 0.3458,  
0.3354

 1.5500, 0.4865,  
0.3443

257.1462, 0.3437,

 0.3235, 0.6951,

0.3351

0.3049

308.8066, 0.3418,  
0.3348

0.0000, 0.0000,  
0.0000

45.0461, 0.3685,  
0.3388

45.0461, 0.3685,  
0.3388

37.9462, 0.3978,  
0.3426

53.2904, 0.3443,  
0.3350

31.9340, 0.4327,  
0.3461

62.7202, 0.3245,  
0.3314

26.9575, 0.4729,  
0.3488

73.3819, 0.3083,  
0.3280

22.9579, 0.5166,  
0.3501

85.3179, 0.2951,  
0.3250

19.8701, 0.5599,  
0.3492

93.6484, 0.2906,  
0.3289

■ 17.6216, 0.5973,  
0.3457

■ 16.1270, 0.6233,  
0.3401

■ 15.8125, 0.6291,  
0.3387

# Harmonies

## Analogous

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



45.0461, 0.3504, 0.3143



45.0461, 0.3685, 0.3388



45.0461, 0.3707, 0.3622

# Triad

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



45.0461, 0.3685, 0.3388



45.0461, 0.3013, 0.3682



45.0461, 0.2694, 0.2811

# Complementary

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



45.0461, 0.3685, 0.3388



58.5435, 0.2725, 0.3189

# 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.



45.0461, 0.2578, 0.2926



45.0461, 0.3685, 0.3388



45.0461, 0.2755, 0.3431

# Square

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



45.0461, 0.3685, 0.3388



45.0461, 0.3310, 0.3812



45.0461, 0.2599, 0.3150



45.0461, 0.2926, 0.2820



# Rectangle

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



45.0461, 0.3685, 0.3388



45.0461, 0.3629, 0.3741



45.0461, 0.2599, 0.3150



45.0461, 0.2641, 0.2836

# Sweetspot

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



45.0482, 0.3685, 0.3388



88.0130, 0.3263, 0.3317



44.3684, 0.3226, 0.2702



18.3834, 0.3291, 0.3323



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.



45.0482, 0.3685, 0.3388



58.7592, 0.3831, 0.3408



57.0644, 0.3595, 0.3730



13.3343, 0.3288, 0.3322



9.5616, 0.6273, 0.3401



0.7134, 0.6014, 0.3607

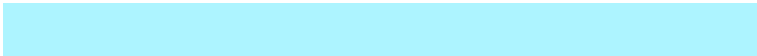


# Inverse Universe

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



58.5435, 0.2725, 0.3189



80.8236, 0.2653, 0.3167



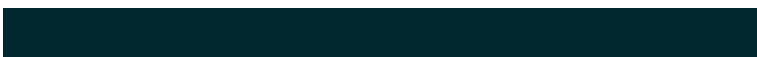
45.3388, 0.2687, 0.2806



14.5132, 0.2982, 0.3258



24.8222, 0.2127, 0.2858



1.6930, 0.2149, 0.2935



# Previews

## White Background



This preview shows how the Yxy color 45.0461, 0.3685, 0.3388 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 45.0461, 0.3685, 0.3388 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

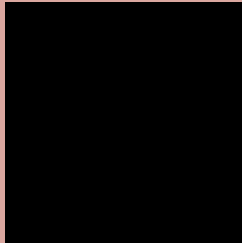
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 45.0461, 0.3685, 0.3388**

## Background



This preview shows how black text looks on a background with the Yxy color 45.0461, 0.3685, 0.3388.



This preview shows how white text looks on a background with the Yxy color 45.0461, 0.3685, 0.3388.

# 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

45.0461, 0.3685, 0.3388

### Protanopia

45.3959, 0.3304, 0.3475

### Deuteranopia

45.1931, 0.3544, 0.3480



## Tritanopia

44.9409, 0.3541, 0.3137

# Trichromacy



## Original Color

45.0461, 0.3685, 0.3388

## Protanomaly

45.3101, 0.3438, 0.3444

## Deuteranomaly

45.1498, 0.3597, 0.3453

## Tritanomaly

44.8726, 0.3595, 0.3232

# Monochromacy



## Original Color

45.0461, 0.3685, 0.3388

## Achromatopsia

46.2077, 0.3127, 0.3290

## Achromatomaly

45.5371, 0.3313, 0.3329

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.0461, 0.3685, 0.3388 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(218, 167, 159)` looks like.

```
.text, #text, p{  
    color:rgb(218, 167, 159)  
}
```

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(218, 167, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 167, 159) }
```

## Border

The CSS property to change the border of an element to Yxy 45.0461, 0.3685, 0.3388 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(218, 167, 159) }
```

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

```
.border{ border-color:rgb(218, 167, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 167, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 167, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 167, 159);  
box-shadow:4px 4px 4px 4px rgb(218, 167,  
159) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.0461, 0.3685, 0.3388 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 167, 159) }
```

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

```
.background{ background-color: rgb(218,  
167, 159) }
```

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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