

# Converting Colors

$Yxy(45.8911, 0.3592, 0.3322)$

Have a look what the booklet for  
Yxy(45.8911, 0.3592, 0.3322)  
contains.

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# Color

**Yxy(45.7649, 0.3585, 0.3316)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D8A9A7
RGB	216, 169, 167
RGB Percent	85%, 66%, 65%
CMY	0.1530, 0.3372, 0.3452
CMYK	0.00, 0.22, 0.23, 0.15
HSL	2°, 39%, 75%
HSV	2°, 23%, 85%
XYZ	49.4774, 45.7649, 42.7700
YIQ	182.8250, 28.6540, 9.3420

# Conversions

## Conversions Part 2

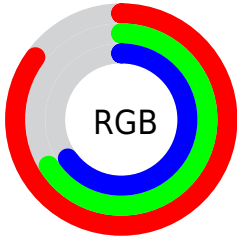
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	216, 169, 167
Decimal	14199207
CIE Lab	73.39, 16.90, 7.65
CIE LCh	73, 18.554, 24.359
Yxy	45.7649, 0.3585, 0.3316
Android (android.graphics.Color)	4292389287 (0xFFD8A9A7)
YUV	182.8250, -7.8017, 29.0945
Hunter-Lab	67.6498, 12.1636, 9.8701

# Details

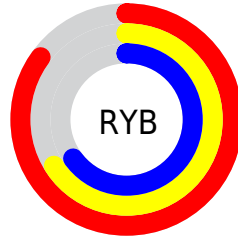
The Yxy color **45.7649, 0.3585, 0.3316** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **61.2365, 0.2791, 0.3264**, and the grayscale version is **47.2847, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.8452, 0.3362, 0.3311**, and **21.4340, 0.3715, 0.3324** is the 20% darker color. If you saturate the color by 10%, you get **37.9315, 0.3869, 0.3328**, and if you desaturate by 10%, it is **54.9551, 0.3355, 0.3304**.

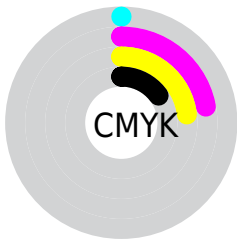
# Distribution



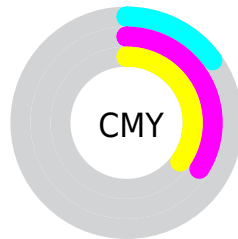
- Red (85%)
- Green (66%)
- Blue (65%)



- Red (85%)
- Yellow (66%)
- Blue (65%)



- Cyan (0%)
- Magenta (22%)
- Yellow (23%)
- Black (15%)




- Cyan (15%)
- Magenta (34%)
- Yellow (35%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.7649, 0.3585, 0.3316 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 45.7649, 0.3585, 0.3316 by changing the saturation by 10% instead.





 45.7649, 0.3585,  
0.3316

 45.7649, 0.3585,  
0.3316

369.8627, 0.3354,  
0.3307

 32.0603, 0.3644,  
0.3317


 83.8670, 0.3500,  
0.3313

 21.4076, 0.3719,  
0.3318


 109.0334, 0.3469,  
0.3312

 13.4223, 0.3820,  
0.3318


138.7892, 0.3442,  
0.3311

 7.7200, 0.3963,  
0.3315

173.5187, 0.3419,  
0.3310

 3.9163, 0.4178,  
0.3307

213.6064, 0.3399,  
0.3309

 1.6268, 0.4537,  
0.3278

259.4367, 0.3382,

 0.3756, 0.6720,

0.3308

0.3280

311.3940, 0.3367,  
0.3307

0.0000, 0.0000,  
0.0000

45.7649, 0.3585,  
0.3316

45.7649, 0.3585,  
0.3316

37.9315, 0.3869,  
0.3328

54.9551, 0.3355,  
0.3304

31.3848, 0.4216,  
0.3340

65.5554, 0.3170,  
0.3293

26.0579, 0.4625,  
0.3350

77.6240, 0.3022,  
0.3283

21.8753, 0.5083,  
0.3356

91.2139, 0.2902,  
0.3273

18.7531, 0.5550,  
0.3355

93.3375, 0.2894,  
0.3289

■ 16.5963, 0.5964,  
0.3345

■ 15.2924, 0.6254,  
0.3328

■ 14.7928, 0.6376,  
0.3319

# Harmonies

## Analogous

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



45.7649, 0.3395, 0.3104



45.7649, 0.3585, 0.3316



45.7649, 0.3646, 0.3531

# Triad

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



45.7649, 0.3585, 0.3316



45.7649, 0.3102, 0.3678



45.7649, 0.2704, 0.2885

# Complementary

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



45.7649, 0.3585, 0.3316



61.2365, 0.2791, 0.3264

# 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.



45.7649, 0.2634, 0.3018



45.7649, 0.3585, 0.3316



45.7649, 0.2857, 0.3483

# Square

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



45.7649, 0.3585, 0.3316



45.7649, 0.3360, 0.3755



45.7649, 0.2689, 0.3236



45.7649, 0.2884, 0.2860



# Rectangle

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



45.7649, 0.3585, 0.3316



45.7649, 0.3605, 0.3649



45.7649, 0.2689, 0.3236



45.7649, 0.2667, 0.2918

# Sweetspot

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



45.7670, 0.3585, 0.3316



88.4704, 0.3246, 0.3298



47.0973, 0.3167, 0.2746



18.7341, 0.3257, 0.3298



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.



45.7670, 0.3585, 0.3316



61.2146, 0.3707, 0.3322



55.5769, 0.3523, 0.3600



12.5029, 0.3290, 0.3300



8.7956, 0.6368, 0.3326



0.5604, 0.6266, 0.3407



# Inverse Universe

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



61.2365, 0.2791, 0.3264



87.3814, 0.2729, 0.3258



49.9300, 0.2767, 0.2958



14.0150, 0.2983, 0.3280



29.3898, 0.2211, 0.3160



1.8008, 0.2218, 0.3184



# Previews

## White Background



This preview shows how the Yxy color 45.7649, 0.3585, 0.3316 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

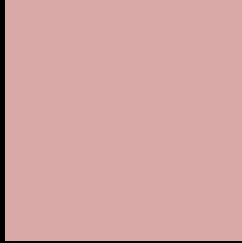
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 45.7649, 0.3585, 0.3316 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

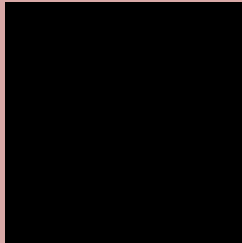
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 45.7649, 0.3585, 0.3316**

## Background



This preview shows how black text looks on a background with the Yxy color 45.7649, 0.3585, 0.3316.



This preview shows how white text looks on a background with the Yxy color 45.7649, 0.3585, 0.3316.

# 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

45.7649, 0.3585, 0.3316

### Protanopia

46.0987, 0.3236, 0.3382

### Deuteranopia

45.7218, 0.3460, 0.3392



## Tritanopia

45.6844, 0.3478, 0.3136

# Trichromacy



## Original Color

45.7649, 0.3585, 0.3316

## Protanomaly

45.8613, 0.3357, 0.3354

## Deuteranomaly

45.6681, 0.3511, 0.3365

## Tritanomaly

45.8521, 0.3522, 0.3207

# Monochromacy



## Original Color

45.7649, 0.3585, 0.3316

## Achromatopsia

47.3531, 0.3127, 0.3290

## Achromatomaly

46.6172, 0.3285, 0.3303

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.7649, 0.3585, 0.3316 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(216, 169, 167)` looks like.

```
.text, #text, p{  
    color:rgb(216, 169, 167)  
}
```

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(216, 169, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 169, 167) }
```

## Border

The CSS property to change the border of an element to Yxy 45.7649, 0.3585, 0.3316 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(216, 169, 167) }
```

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

```
.border{ border-color:rgb(216, 169, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 169, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 169, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 169, 167);  
box-shadow:4px 4px 4px 4px rgb(216, 169,  
167) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.7649, 0.3585, 0.3316 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 169, 167) }
```

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

```
.background{ background-color: rgb(216,  
169, 167) }
```

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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