

# Converting Colors

$Yxy(45.7043, 0.3557, 0.3469)$

Have a look what the booklet for  
Yxy(45.7043, 0.3557, 0.3469)  
contains.

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# Color

**Yxy(45.6557, 0.3563, 0.3466)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CFAD9F
RGB	207, 173, 159
RGB Percent	81%, 68%, 62%
CMY	0.1882, 0.3215, 0.3765
CMYK	0.00, 0.16, 0.23, 0.19
HSL	18°, 33%, 72%
HSV	18°, 23%, 81%
XYZ	46.9334, 45.6557, 39.1353
YIQ	181.5700, 24.7580, 2.8540

# Conversions

## Conversions Part 2

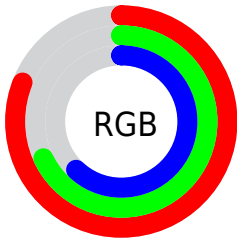
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	207, 179, 159
Decimal	13610399
CIE Lab	73.32, 10.19, 11.80
CIE LCh	73, 15.596, 49.182
Yxy	45.6557, 0.3563, 0.3466
Android (android.graphics.Color)	4291800479 (0xFFCFAD9F)
YUV	181.5700, -11.1270, 22.3021
Hunter-Lab	67.5690, 5.7403, 12.9581

# Details

The Yxy color  $45.6557, 0.3563, 0.3466$  is a light color, and the websafe version is hex `CC9999`. A complement of this color would be  $50.0103, 0.2772, 0.3107$ , and the grayscale version is  $46.5855, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $81.6018, 0.3411, 0.3431$ , and  $21.4329, 0.3683, 0.3510$  is the 20% darker color. If you saturate the color by 10%, you get  $39.6814, 0.3810, 0.3547$ , and if you desaturate by 10%, it is  $52.3713, 0.3354, 0.3387$ .

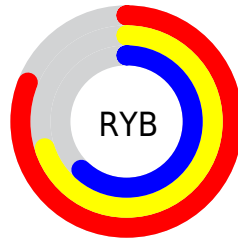
# Distribution



Red (81%)

Green (68%)

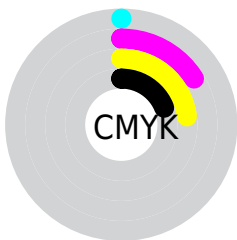
Blue (62%)



Red (81%)

Yellow (70%)

Blue (62%)

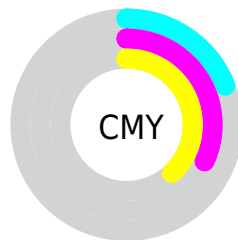


Cyan (0%)

Magenta (16%)

Yellow (23%)

Black (19%)



Cyan (19%)

Magenta (32%)


Yellow (38%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.6557, 0.3563, 0.3466 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 45.6557, 0.3563, 0.3466 by changing the saturation by 10% instead.





 45.6557, 0.3563,  
0.3466


 45.6557, 0.3563,  
0.3466


369.4227, 0.3343,  
0.3381

 31.9742, 0.3619,  
0.3486


 83.7035, 0.3482,  
0.3436

 21.3418, 0.3690,  
0.3511


 108.8386, 0.3452,  
0.3425

 13.3741, 0.3787,  
0.3543


138.5603, 0.3427,  
0.3415

 7.6866, 0.3922,  
0.3585

173.2531, 0.3405,  
0.3406

 3.8951, 0.4124,  
0.3642

213.3014, 0.3386,  
0.3399

 1.6151, 0.4471,  
0.3727

259.0894, 0.3370,

 0.3677, 0.6194,

0.3392

0.3806

311.0018, 0.3356,  
0.3387

0.0000, 0.0000,  
0.0000

45.6557, 0.3563,  
0.3466

45.6557, 0.3563,  
0.3466

39.6814, 0.3810,  
0.3547

52.3713, 0.3354,  
0.3387

34.4164, 0.4098,  
0.3626

59.8464, 0.3177,  
0.3313

29.8353, 0.4427,  
0.3696

68.1065, 0.3029,  
0.3244

25.9090, 0.4788,  
0.3747

77.1738, 0.2904,  
0.3180

22.6059, 0.5163,  
0.3769

86.5777, 0.2838,  
0.3199

■ 19.8916, 0.5521,  
0.3750

■ 92.0057, 0.2844,  
0.3289

■ 17.7279, 0.5825,  
0.3684

■ 16.5416, 0.5994,  
0.3623

# Harmonies

## Analogous

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



45.6557, 0.3491, 0.3281



45.6557, 0.3563, 0.3466



45.6557, 0.3513, 0.3613

# Triad

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



45.6557, 0.3563, 0.3466



45.6557, 0.2933, 0.3485



45.6557, 0.2891, 0.2923

# Complementary

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



45.6557, 0.3563, 0.3466



50.0103, 0.2772, 0.3107

# 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.



45.6557, 0.2752, 0.2962



45.6557, 0.3563, 0.3466



45.6557, 0.2775, 0.3282

# Square

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



45.6557, 0.3563, 0.3466



45.6557, 0.3145, 0.3633



45.6557, 0.2710, 0.3090



45.6557, 0.3097, 0.2976



# Rectangle

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



45.6557, 0.3563, 0.3466



45.6557, 0.3420, 0.3668



45.6557, 0.2710, 0.3090



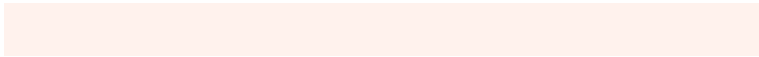
45.6557, 0.2835, 0.2926

# Sweetspot

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



45.6578, 0.3563, 0.3466



91.1020, 0.3242, 0.3341



41.9273, 0.3274, 0.2872



19.3417, 0.3253, 0.3346



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.



45.6578, 0.3563, 0.3466



68.0993, 0.3685, 0.3508



55.5198, 0.3501, 0.3747



12.3624, 0.3283, 0.3358



10.5648, 0.5970, 0.3642



0.7281, 0.5602, 0.3934

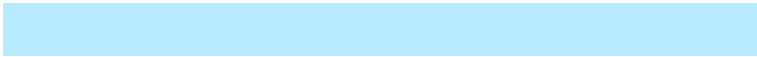


# Inverse Universe

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



50.0103, 0.2772, 0.3107



76.2977, 0.2695, 0.3061



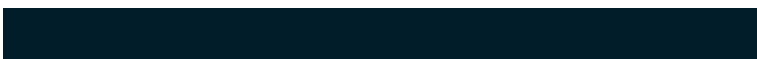
40.3980, 0.2747, 0.2787



12.7998, 0.2983, 0.3221



16.0741, 0.1977, 0.2317



1.0321, 0.2033, 0.2517



# Previews

## White Background



This preview shows how the Yxy color 45.6557, 0.3563, 0.3466 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

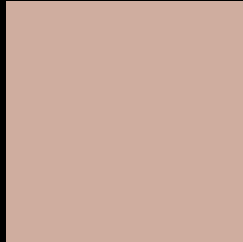
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 45.6557, 0.3563, 0.3466 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

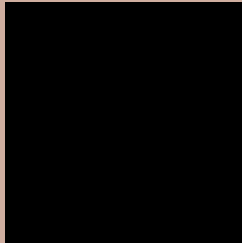
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 45.6557, 0.3563, 0.3466**

## Background



This preview shows how black text looks on a background with the Yxy color 45.6557, 0.3563, 0.3466.



This preview shows how white text looks on a background with the Yxy color 45.6557, 0.3563, 0.3466.

# 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

45.6557, 0.3563, 0.3466

### Protanopia

45.9425, 0.3345, 0.3527

### Deuteranopia

45.7544, 0.3541, 0.3479



## Tritanopia

45.8700, 0.3381, 0.3133

# Trichromacy



**Original Color**

45.6557, 0.3563, 0.3466

**Protanomaly**

45.6196, 0.3424, 0.3497

**Deuteranomaly**

45.8971, 0.3551, 0.3479

**Tritanomaly**

45.7371, 0.3451, 0.3254

# Monochromacy



**Original Color**

45.6557, 0.3563, 0.3466

**Achromatopsia**

46.7784, 0.3127, 0.3290

**Achromatomaly**

46.3726, 0.3273, 0.3355

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.6557, 0.3563, 0.3466 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(207, 173, 159)` looks like.

```
.text, #text, p{  
    color:rgb(207, 173, 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(207, 173, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 173, 159) }
```

## Border

The CSS property to change the border of an element to Yxy 45.6557, 0.3563, 0.3466 is called "border". The border property can be set on classes, ids or directly on the HTML element.

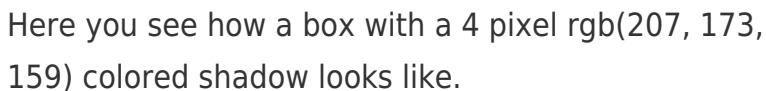
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(207, 173, 159) }
```

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

```
.border{ border-color:rgb(207, 173, 159) }
```

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



Here you see how a box with a 4 pixel `rgb(207, 173, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 173, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 173, 159);  
box-shadow:4px 4px 4px 4px rgb(207, 173,  
159) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.6557, 0.3563, 0.3466 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 173, 159) }
```

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

```
.background{ background-color: rgb(207,  
173, 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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