

# Converting Colors

$Yxy(57.7546, 0.3589, 0.3849)$

Have a look what the booklet for  
Yxy(57.7546, 0.3589, 0.3849)  
contains.

<b>Yxy(57.7546, 0.3589, 0.3849)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(57.7546, 0.3589, 0.3849)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D5C899
RGB	213, 200, 153
RGB Percent	84%, 78%, 60%
CMY	0.1645, 0.2157, 0.4000
CMYK	0.00, 0.06, 0.28, 0.16
HSL	47°, 42%, 72%
HSV	47°, 28%, 84%
XYZ	53.8533, 57.7546, 38.4430
YIQ	198.5290, 22.8350, -11.8610

# Conversions

## Conversions Part 2

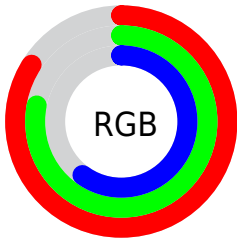
<b>Format</b>	<b>Color</b>
<b>RYB</b>	170, 213, 153
Decimal	14010521
CIELab	80.60, -2.65, 25.20
CIELCh	81, 25.338, 95.999
Yxy	57.7546, 0.3589, 0.3849
Android (android.graphics.Color)	4292200601 (0xFFD5C899)
YUV	198.5290, -22.4458, 12.6911
Hunter-Lab	75.9964, -6.5035, 23.2055

# Details

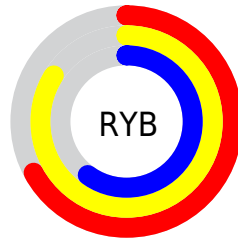
The Yxy color **57.7546, 0.3589, 0.3849** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **38.8667, 0.2655, 0.2660**, and the grayscale version is **56.9438, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.3341, 0.3406, 0.3751**, and **28.7862, 0.3705, 0.3983** is the 20% darker color. If you saturate the color by 10%, you get **55.0027, 0.3769, 0.4049**, and if you desaturate by 10%, it is **60.7024, 0.3416, 0.3646**.

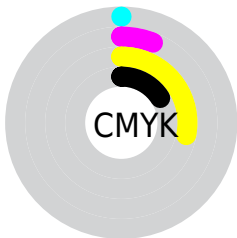
# Distribution



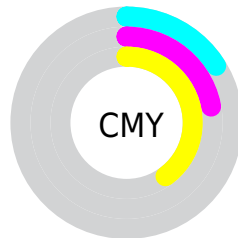
- Red (84%)
- Green (78%)
- Blue (60%)



- Red (67%)
- Yellow (84%)
- Blue (60%)



- Cyan (0%)
- Magenta (6%)
- Yellow (28%)
- Black (16%)




- Cyan (16%)
- Magenta (22%)
- Yellow (40%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 57.7546, 0.3589, 0.3849 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 57.7546, 0.3589, 0.3849 by changing the saturation by 10% instead.




 57.7546, 0.3589,  
0.3849

 57.7546, 0.3589,  
0.3849

416.2709, 0.3369,  
0.3580

 41.6114, 0.3640,  
0.3913


 101.5654, 0.3512,  
0.3754

 28.7971, 0.3704,  
0.3992


 130.0018, 0.3482,  
0.3717

 18.9274, 0.3785,  
0.4095


163.3047, 0.3456,  
0.3686

 11.6178, 0.3891,  
0.4230

201.8586, 0.3434,  
0.3659

 6.4840, 0.4032,  
0.4414

246.0477, 0.3415,  
0.3635

 3.1416, 0.4235,  
0.4688

296.2565, 0.3398,

 1.2061, 0.4698,

0.3614

0.5302

352.8695, 0.3382,  
0.3596

■ 0.0667, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 57.7546, 0.3589,  
0.3849

■ 57.7546, 0.3589,  
0.3849

■ 55.0027, 0.3769,  
0.4049

■ 60.7024, 0.3416,  
0.3646

■ 52.4316, 0.3950,  
0.4239

■ 63.8449, 0.3252,  
0.3447

■ 50.0359, 0.4126,  
0.4407

■ 67.1912, 0.3101,  
0.3256

■ 47.8071, 0.4288,  
0.4544

■ 70.7472, 0.2962,  
0.3076

45.7353, 0.4429,  
0.4641

74.2243, 0.2862,  
0.2954

43.8091, 0.4543,  
0.4691

76.7345, 0.2865,  
0.3004

42.0119, 0.4628,  
0.4697

79.3130, 0.2867,  
0.3053

41.6954, 0.4643,  
0.4696

81.9602, 0.2869,  
0.3102

84.6766, 0.2871,  
0.3151

# Harmonies

## Analogous

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



57.7546, 0.3763, 0.3679



57.7546, 0.3589, 0.3849



57.7546, 0.3295, 0.3866

# Triad

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



57.7546, 0.3589, 0.3849



57.7546, 0.2533, 0.3101



57.7546, 0.3267, 0.2923

# Complementary

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



57.7546, 0.3589, 0.3849



38.8667, 0.2655, 0.2660

# 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.



57.7546, 0.2935, 0.2779



57.7546, 0.3589, 0.3849



57.7546, 0.2526, 0.2865

# Square

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



57.7546, 0.3589, 0.3849



57.7546, 0.2690, 0.3413



57.7546, 0.2668, 0.2755



57.7546, 0.3575, 0.3153



# Rectangle

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



57.7546, 0.3589, 0.3849



57.7546, 0.3073, 0.3777



57.7546, 0.2668, 0.2755



57.7546, 0.3154, 0.2863

# Sweetspot

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



57.7572, 0.3589, 0.3849



95.9588, 0.3250, 0.3445



39.7233, 0.3598, 0.3119



20.3813, 0.3275, 0.3475



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

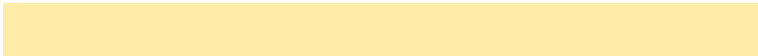


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



57.7572, 0.3589, 0.3849



84.1798, 0.3699, 0.3973



61.7841, 0.3422, 0.4021



14.0406, 0.3272, 0.3471



25.6136, 0.4635, 0.4702



1.6612, 0.4544, 0.4774



# Inverse Universe

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



38.8667, 0.2655, 0.2660



51.1791, 0.2540, 0.2497



36.0226, 0.2769, 0.2508



12.4419, 0.2982, 0.3102



4.2659, 0.1565, 0.0834



0.3815, 0.1656, 0.1159



# Previews

## White Background



This preview shows how the Yxy color 57.7546, 0.3589, 0.3849 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

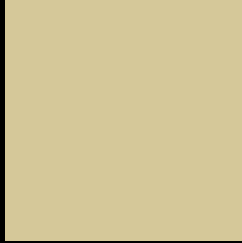
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 57.7546, 0.3589, 0.3849 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

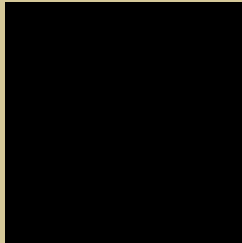
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

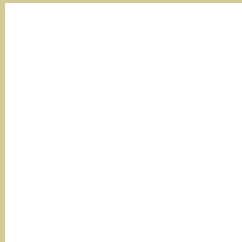
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 57.7546, 0.3589, 0.3849**

## **Background**



This preview shows how black text looks on a background with the Yxy color 57.7546, 0.3589, 0.3849.



This preview shows how white text looks on a background with the Yxy color 57.7546, 0.3589, 0.3849.

# 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

57.7546, 0.3589, 0.3849

### Protanopia

57.9046, 0.3597, 0.3847

### Deuteranopia

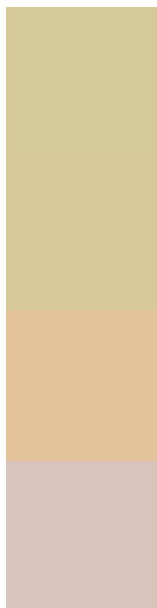
57.7280, 0.3789, 0.3705



## Tritanopia

57.9096, 0.3232, 0.3121

# Trichromacy



## Original Color

57.7546, 0.3589, 0.3849

## Protanomaly

57.9046, 0.3597, 0.3847

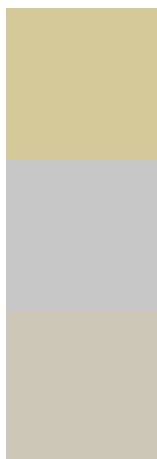
## Deuteranomaly

57.6942, 0.3717, 0.3760

## Tritanomaly

57.8624, 0.3358, 0.3384

# Monochromacy



## Original Color

57.7546, 0.3589, 0.3849

## Achromatopsia

57.1125, 0.3127, 0.3290

## Achromatomaly

57.0616, 0.3293, 0.3495

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 57.7546, 0.3589, 0.3849 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(213, 200, 153)` looks like.

```
.text, #text, p{  
    color:rgb(213, 200, 153)  
}
```

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(213, 200, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 200, 153) }
```

## Border

The CSS property to change the border of an element to Yxy 57.7546, 0.3589, 0.3849 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(213, 200, 153) }
```

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

```
.border{ border-color:rgb(213, 200, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 200, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(213, 200, 153); -webkit-box-shadow:4px 4px 4px 4px rgb(213, 200, 153); box-shadow:4px 4px 4px 4px rgb(213, 200, 153) }
```



# Background

The CSS property to change the background color of an element to Yxy 57.7546, 0.3589, 0.3849 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 200, 153) }
```

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

```
.background{ background-color: rgb(213,  
200, 153) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor