

# Converting Colors

$Yxy(55.0176, 0.3753, 0.3727)$

Have a look what the booklet for  
Yxy(55.0176, 0.3753, 0.3727)  
contains.

<b>Yxy(54.8309, 0.3746, 0.3719)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(54.8309, 0.3746, 0.3719)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E2BD98
RGB	226, 189, 152
RGB Percent	89%, 74%, 60%
CMY	0.1137, 0.2588, 0.4039
CMYK	0.00, 0.16, 0.33, 0.11
HSL	30°, 56%, 74%
HSV	30°, 33%, 89%
XYZ	55.2290, 54.8309, 37.3747
YIQ	195.8450, 33.9290, -3.6630

# Conversions

## Conversions Part 2

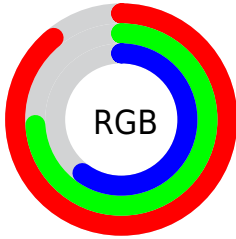
Format	Color
RYB	226, 226, 152
Decimal	14859672
CIELab	78.94, 7.99, 23.66
CIELCh	79, 24.975, 71.334
Yxy	54.8309, 0.3746, 0.3719
Android (android.graphics.Color)	4293049752 (0xFFE2BD98)
YUV	195.8450, -21.6156, 26.4459
Hunter-Lab	74.0479, 3.5513, 21.9077

# Details

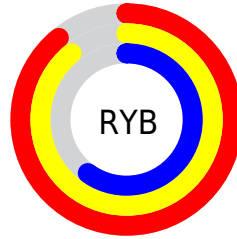
The Yxy color **54.8309, 0.3746, 0.3719** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **48.5565, 0.2603, 0.2817**, and the grayscale version is **55.2220, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.0210, 0.3435, 0.3677**, and **27.0940, 0.3911, 0.3821** is the 20% darker color. If you saturate the color by 10%, you get **49.4892, 0.3987, 0.3852**, and if you desaturate by 10%, it is **60.6974, 0.3529, 0.3583**.

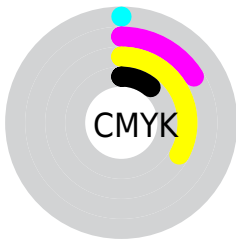
# Distribution



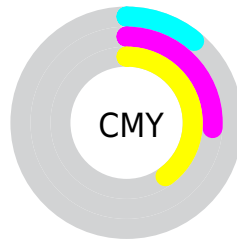
- Red (89%)
- Green (74%)
- Blue (60%)



- Red (89%)
- Yellow (89%)
- Blue (60%)



- Cyan (0%)
- Magenta (16%)
- Yellow (33%)
- Black (11%)




- Cyan (11%)
- Magenta (26%)
- Yellow (40%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 54.8309, 0.3746, 0.3719 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 54.8309, 0.3746, 0.3719 by changing the saturation by 10% instead.





 54.8309, 0.3746,  
0.3719


 54.8309, 0.3746,  
0.3719


405.2706, 0.3444,  
0.3517

 39.2664, 0.3818,  
0.3765


 97.2932, 0.3638,  
0.3649

 26.9670, 0.3909,  
0.3822


 124.9596, 0.3597,  
0.3621

 17.5484, 0.4027,  
0.3893


157.4289, 0.3563,  
0.3598

 10.6263, 0.4184,  
0.3984

195.0853, 0.3532,  
0.3577

 5.8161, 0.4401,  
0.4102

238.3133, 0.3506,  
0.3559

 2.7336, 0.4743,  
0.4273

287.4973, 0.3483,

 0.9943, 0.5410,

0.3544

0.4590

343.0216, 0.3463,  
0.3530

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

54.8309, 0.3746,  
0.3719

54.8309, 0.3746,  
0.3719

49.4892, 0.3987,  
0.3852

60.6974, 0.3529,  
0.3583

44.6481, 0.4248,  
0.3975

67.0968, 0.3338,  
0.3450

40.2924, 0.4523,  
0.4076

74.0466, 0.3169,  
0.3323

36.4029, 0.4799,  
0.4143

81.5610, 0.3023,  
0.3205

■ 32.9587, 0.5058,  
0.4162

■ 88.9931, 0.2950,  
0.3194

■ 29.9359, 0.5284,  
0.4128

■ 94.9091, 0.2952,  
0.3289

■ 27.9850, 0.5426,  
0.4074

# Harmonies

## Analogous

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



54.8309, 0.3776, 0.3473



54.8309, 0.3746, 0.3719



54.8309, 0.3544, 0.3867

# Triad

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



54.8309, 0.3746, 0.3719



54.8309, 0.2651, 0.3356



54.8309, 0.2991, 0.2795

# Complementary

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



54.8309, 0.3746, 0.3719



48.5565, 0.2603, 0.2817

# 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.



54.8309, 0.2707, 0.2748



54.8309, 0.3746, 0.3719



54.8309, 0.2519, 0.3051

# Square

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



54.8309, 0.3746, 0.3719



54.8309, 0.2910, 0.3660



54.8309, 0.2539, 0.2834



54.8309, 0.3327, 0.2957



# Rectangle

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



54.8309, 0.3746, 0.3719



54.8309, 0.3346, 0.3877



54.8309, 0.2539, 0.2834



54.8309, 0.2887, 0.2765

# Sweetspot

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



54.8334, 0.3746, 0.3719



90.6000, 0.3290, 0.3415



42.2973, 0.3507, 0.2865



19.1221, 0.3315, 0.3434



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.



54.8334, 0.3746, 0.3719



67.4446, 0.3900, 0.3807



72.8296, 0.3620, 0.4105



14.8274, 0.3280, 0.3407



16.2028, 0.5402, 0.4093



1.3022, 0.5166, 0.4280



# Inverse Universe

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



48.5565, 0.2603, 0.2817



58.0323, 0.2496, 0.2704



34.6201, 0.2541, 0.2321



14.3697, 0.2981, 0.3170



10.1048, 0.1773, 0.1583



0.8795, 0.1851, 0.1862



# Previews

## White Background



This preview shows how the Yxy color 54.8309, 0.3746, 0.3719 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

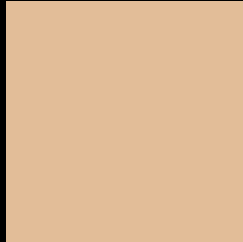
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 54.8309, 0.3746, 0.3719 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

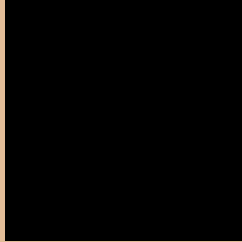
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 54.8309, 0.3746, 0.3719**

## Background



This preview shows how black text looks on a background with the Yxy color 54.8309, 0.3746, 0.3719.



This preview shows how white text looks on a background with the Yxy color 54.8309, 0.3746, 0.3719.

# 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

54.8309, 0.3746, 0.3719

### Protanopia

54.8067, 0.3545, 0.3776

### Deuteranopia

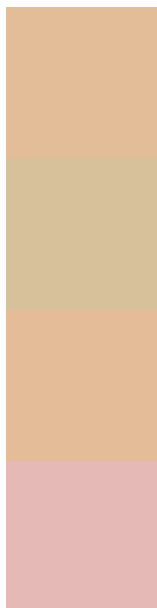
54.8915, 0.3776, 0.3704



## Tritanopia

54.8871, 0.3424, 0.3134

# Trichromacy



## Original Color

54.8309, 0.3746, 0.3719

## Protanomaly

54.9201, 0.3619, 0.3756

## Deuteranomaly

54.7274, 0.3767, 0.3705

## Tritanomaly

54.6921, 0.3539, 0.3337

# Monochromacy



## Original Color

54.8309, 0.3746, 0.3719

## Achromatopsia

55.2011, 0.3127, 0.3290

## Achromatomaly

54.7006, 0.3343, 0.3447

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 54.8309, 0.3746, 0.3719 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(226, 189, 152)` looks like.

```
.text, #text, p{  
    color:rgb(226, 189, 152)  
}
```

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(226, 189, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 189, 152) }
```

## Border

The CSS property to change the border of an element to Yxy 54.8309, 0.3746, 0.3719 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(226, 189, 152) }
```

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

```
.border{ border-color:rgb(226, 189, 152) }
```

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

Here you see how a box with a 4 pixel rgb(226, 189, 152) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 189, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 189, 152);  
box-shadow:4px 4px 4px 4px rgb(226, 189,  
152) }
```



# Background

The CSS property to change the background color of an element to Yxy 54.8309, 0.3746, 0.3719 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 189, 152) }
```

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

```
.background{ background-color: rgb(226,  
189, 152) }
```

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