

# Converting Colors

$Yxy(64.3726, 0.3778, 0.3834)$

Have a look what the booklet for  
Yxy(64.3726, 0.3778, 0.3834)  
contains.

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# Color

**Yxy(64.3799, 0.3774, 0.3836)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EFCD9B
RGB	239, 205, 155
RGB Percent	94%, 80%, 61%
CMY	0.0629, 0.1960, 0.3920
CMYK	0.00, 0.14, 0.35, 0.06
HSL	36°, 72%, 77%
HSV	36°, 35%, 94%
XYZ	63.3393, 64.3799, 40.1116
YIQ	209.4660, 36.3140, -8.3420

# Conversions

## Conversions Part 2

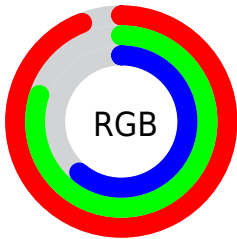
Format	Color
R <sub>Y</sub> B	212, 239, 155
Decimal	15715739
CIE Lab	84.16, 4.99, 29.32
CIE LCh	84, 29.745, 80.334
Yxy	64.3799, 0.3774, 0.3836
Android (android.graphics.Color)	4293905819 (0xFFEFC9D9B)
YUV	209.4660, -26.8517, 25.9013
Hunter-Lab	80.2371, 0.4934, 26.5261

# Details

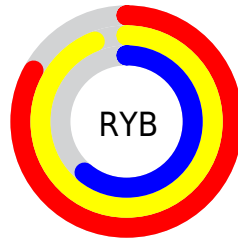
The Yxy color  $64.3799, 0.3774, 0.3836$  is a light color, and the websafe version is hex `FFCC99`. A complement of this color would be  $49.5928, 0.2548, 0.2672$ , and the grayscale version is  $64.2434, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $97.4331, 0.3394, 0.3731$ , and  $33.0576, 0.3936, 0.3966$  is the 20% darker color. If you saturate the color by 10%, you get  $59.1739, 0.3998, 0.3991$ , and if you desaturate by 10%, it is  $70.0366, 0.3566, 0.3676$ .

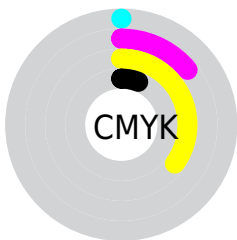
# Distribution



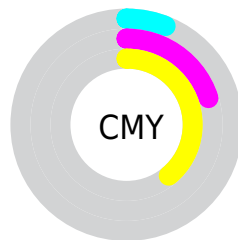
- Red (94%)
- Green (80%)
- Blue (61%)



- Red (83%)
- Yellow (94%)
- Blue (61%)



- Cyan (0%)
- Magenta (14%)
- Yellow (35%)
- Black (6%)




- Cyan (6%)
- Magenta (20%)
- Yellow (39%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.3799, 0.3774, 0.3836 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 64.3799, 0.3774, 0.3836 by changing the saturation by 10% instead.





 64.3799, 0.3774,  
0.3836

 64.3799, 0.3774,  
0.3836


440.5602, 0.3469,  
0.3584

 46.9584, 0.3844,  
0.3892


 111.1579, 0.3668,  
0.3749

 33.0028, 0.3930,  
0.3961


 141.2832, 0.3627,  
0.3715

 22.1286, 0.4039,  
0.4046


176.4119, 0.3591,  
0.3686

 13.9514, 0.4179,  
0.4152

216.9284, 0.3560,  
0.3661

 8.0869, 0.4364,  
0.4288

263.2171, 0.3533,  
0.3638

 4.1506, 0.4615,  
0.4458

315.6623, 0.3510,

 1.7582, 0.5156,

0.3618

0.4844

374.6486, 0.3488,  
0.3600

0.4609, 0.5485,  
0.4515

0.0000, 0.0000,  
0.0000

64.3799, 0.3774,  
0.3836

64.3799, 0.3774,  
0.3836

59.1739, 0.3998,  
0.3991

70.0366, 0.3566,  
0.3676

54.3951, 0.4233,  
0.4131

76.1487, 0.3377,  
0.3518

50.0308, 0.4471,  
0.4245

82.7320, 0.3207,  
0.3365

46.0638, 0.4699,  
0.4321

89.7987, 0.3056,  
0.3221

■ 42.4749, 0.4904,  
0.4348

■ 96.0390, 0.3029,  
0.3274

■ 39.2416, 0.5075,  
0.4321

■ 97.0859, 0.3029,  
0.3290

■ 37.7801, 0.5149,  
0.4294

# Harmonies

## Analogous

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



64.3799, 0.3873, 0.3582



64.3799, 0.3774, 0.3836



64.3799, 0.3499, 0.3959

# Triad

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



64.3799, 0.3774, 0.3836



64.3799, 0.2530, 0.3253



64.3799, 0.3084, 0.2779

# Complementary

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



64.3799, 0.3774, 0.3836



49.5928, 0.2548, 0.2672

# 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.



64.3799, 0.2738, 0.2683



64.3799, 0.3774, 0.3836



64.3799, 0.2434, 0.2931

# Square

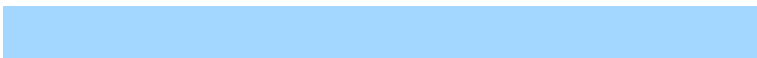
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



64.3799, 0.3774, 0.3836



64.3799, 0.2782, 0.3614



64.3799, 0.2507, 0.2732



64.3799, 0.3462, 0.2991



# Rectangle

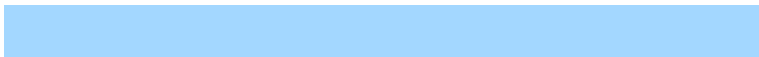
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



64.3799, 0.3774, 0.3836



64.3799, 0.3260, 0.3933



64.3799, 0.2507, 0.2732



64.3799, 0.2960, 0.2732

# Sweetspot

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



64.3829, 0.3774, 0.3836



91.2956, 0.3305, 0.3454



45.5171, 0.3614, 0.2906



19.3214, 0.3328, 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.



64.3829, 0.3774, 0.3836



70.3184, 0.3930, 0.3946



81.2364, 0.3605, 0.4181



17.3240, 0.3278, 0.3430



21.1477, 0.5130, 0.4309



1.9540, 0.4973, 0.4434



# Inverse Universe

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



49.5928, 0.2548, 0.2672



50.8674, 0.2426, 0.2523



37.3677, 0.2540, 0.2248



16.2785, 0.2980, 0.3146



8.3783, 0.1688, 0.1277



0.8873, 0.1760, 0.1536



# Previews

## White Background



This preview shows how the Yxy color 64.3799, 0.3774, 0.3836 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 64.3799, 0.3774, 0.3836 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

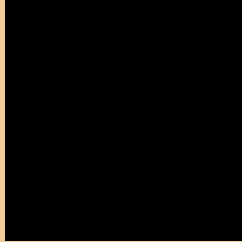
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 64.3799, 0.3774, 0.3836**

## Background



This preview shows how black text looks on a background with the Yxy color 64.3799, 0.3774, 0.3836.



This preview shows how white text looks on a background with the Yxy color 64.3799, 0.3774, 0.3836.

# 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

64.3799, 0.3774, 0.3836

### Protanopia

64.5351, 0.3628, 0.3890

### Deuteranopia

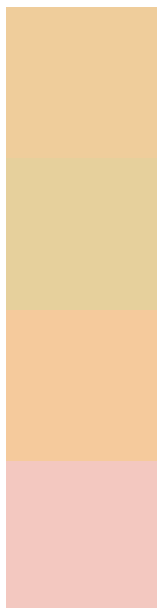
64.1300, 0.3856, 0.3770



## Tritanopia

64.1491, 0.3389, 0.3122

# Trichromacy



## Original Color

64.3799, 0.3774, 0.3836

## Protanomaly

64.3350, 0.3682, 0.3872

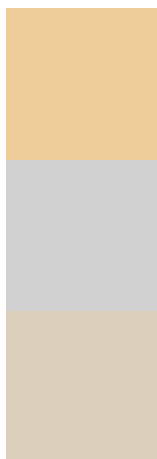
## Deuteranomaly

64.0538, 0.3828, 0.3785

## Tritanomaly

64.1690, 0.3533, 0.3377

# Monochromacy



## Original Color

64.3799, 0.3774, 0.3836

## Achromatopsia

63.7597, 0.3127, 0.3290

## Achromatomaly

64.0015, 0.3356, 0.3506

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.3799, 0.3774, 0.3836 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(239, 205, 155)` looks like.

```
.text, #text, p{  
    color:rgb(239, 205, 155)  
}
```

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(239, 205, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 205, 155) }
```

## Border

The CSS property to change the border of an element to Yxy 64.3799, 0.3774, 0.3836 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(239, 205, 155) }
```

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

```
.border{ border-color:rgb(239, 205, 155) }
```

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

Here you see how a box with a 4 pixel rgb(239, 205, 155) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 205, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 205, 155);  
box-shadow:4px 4px 4px 4px rgb(239, 205,  
155) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.3799, 0.3774, 0.3836 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 205, 155) }
```

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

```
.background{ background-color: rgb(239,  
205, 155) }
```

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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