

# Converting Colors

Yxy(63.4968, 0.3697, 0.3810)

Have a look what the booklet for  
Yxy(63.4968, 0.3697, 0.3810)  
contains.

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# Color

**Yxy(63.4549, 0.3702, 0.3813)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E9CD9E
RGB	233, 205, 158
RGB Percent	91%, 80%, 62%
CMY	0.0863, 0.1961, 0.3803
CMYK	0.00, 0.12, 0.32, 0.09
HSL	38°, 63%, 77%
HSV	38°, 32%, 91%
XYZ	61.6077, 63.4549, 41.3547
YIQ	208.0140, 31.7750, -8.6810

# Conversions

## Conversions Part 2

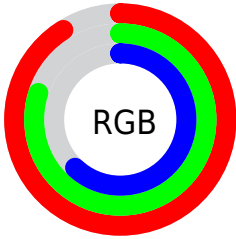
Format	Color
R <sub>Y</sub> B	203, 233, 158
Decimal	15322526
CIE Lab	83.68, 3.06, 27.03
CIE LCh	84, 27.197, 83.550
Yxy	63.4549, 0.3702, 0.3813
Android (android.graphics.Color)	4293512606 (0xFFE9CD9E)
YUV	208.0140, -24.6569, 21.9127
Hunter-Lab	79.6586, -1.3513, 24.9807

# Details

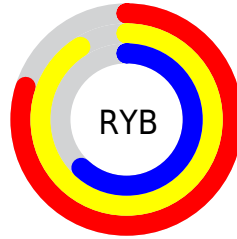
The Yxy color  $63.4549, 0.3702, 0.3813$  is a light color, and the websafe version is hex `FFCC99`. A complement of this color would be  $48.2750, 0.2596, 0.2703$ , and the grayscale version is  $63.2357, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $97.5841, 0.3376, 0.3701$ , and  $32.4039, 0.3841, 0.3942$  is the 20% darker color. If you saturate the color by 10%, you get  $58.6832, 0.3915, 0.3977$ , and if you desaturate by 10%, it is  $68.6159, 0.3504, 0.3646$ .

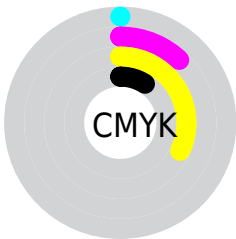
# Distribution



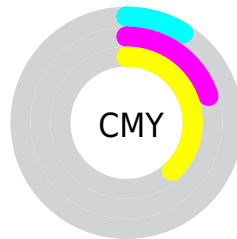
- Red (91%)
- Green (80%)
- Blue (62%)



- Red (80%)
- Yellow (91%)
- Blue (62%)



- Cyan (0%)
- Magenta (12%)
- Yellow (32%)
- Black (9%)




- Cyan (9%)
- Magenta (20%)
- Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 63.4549, 0.3702, 0.3813 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 63.4549, 0.3702, 0.3813 by changing the saturation by 10% instead.





 63.4549, 0.3702,  
0.3813

 63.4549, 0.3702,  
0.3813


437.2185, 0.3431,  
0.3569

 46.2093, 0.3765,  
0.3868


 109.8255, 0.3607,  
0.3728

 32.4110, 0.3842,  
0.3936


 139.7194, 0.3570,  
0.3696

 21.6756, 0.3940,  
0.4021


174.5981, 0.3539,  
0.3667

 13.6188, 0.4067,  
0.4130

214.8461, 0.3511,  
0.3642

 7.8560, 0.4236,  
0.4272

260.8477, 0.3488,  
0.3621

 4.0029, 0.4468,  
0.4457

312.9874, 0.3466,

 1.6752, 0.5050,

0.3602

0.4950

371.6495, 0.3447,  
0.3585

0.4075, 0.5313,  
0.4687

0.0000, 0.0000,  
0.0000

63.4549, 0.3702,  
0.3813

63.4549, 0.3702,  
0.3813

58.6832, 0.3915,  
0.3977

68.6159, 0.3504,  
0.3646

54.2798, 0.4138,  
0.4129

74.1691, 0.3323,  
0.3481

50.2342, 0.4364,  
0.4259

80.1283, 0.3160,  
0.3323

46.5319, 0.4582,  
0.4354

86.5038, 0.3015,  
0.3175

■ 43.1568, 0.4780,  
0.4403

■ 91.9844, 0.2993,  
0.3225

■ 40.0898, 0.4947,  
0.4400

■ 96.0634, 0.2993,  
0.3290

■ 37.8858, 0.5058,  
0.4366

# Harmonies

## Analogous

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



63.4549, 0.3812, 0.3590



63.4549, 0.3702, 0.3813



63.4549, 0.3437, 0.3905

# Triad

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



63.4549, 0.3702, 0.3813



63.4549, 0.2560, 0.3223



63.4549, 0.3126, 0.2834

# Complementary

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



63.4549, 0.3702, 0.3813



48.2750, 0.2596, 0.2703

# 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.



63.4549, 0.2800, 0.2733



63.4549, 0.3702, 0.3813



63.4549, 0.2487, 0.2935

# Square

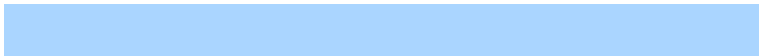
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



63.4549, 0.3702, 0.3813



63.4549, 0.2780, 0.3554



63.4549, 0.2572, 0.2764



63.4549, 0.3470, 0.3040



# Rectangle

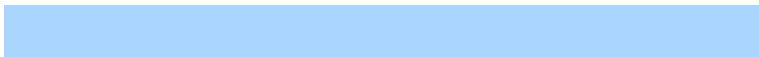
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



63.4549, 0.3702, 0.3813



63.4549, 0.3214, 0.3866



63.4549, 0.2572, 0.2764



63.4549, 0.3011, 0.2787

# Sweetspot

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



63.4578, 0.3702, 0.3813



92.5409, 0.3287, 0.3447



45.3598, 0.3583, 0.2967



19.5919, 0.3311, 0.3469



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.



63.4578, 0.3702, 0.3813



73.7221, 0.3850, 0.3929



76.6335, 0.3547, 0.4111



16.6270, 0.3277, 0.3437



21.7429, 0.5041, 0.4380



1.8909, 0.4892, 0.4498



# Inverse Universe

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



48.2750, 0.2596, 0.2703



52.2403, 0.2473, 0.2549



38.5317, 0.2617, 0.2355



15.4702, 0.2980, 0.3138



7.4231, 0.1664, 0.1189

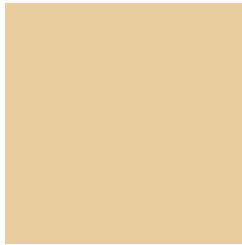


0.7621, 0.1740, 0.1465



# Previews

## White Background



This preview shows how the Yxy color 63.4549, 0.3702, 0.3813 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

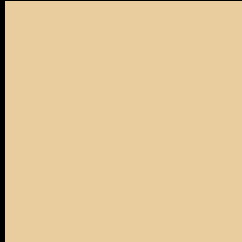
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 63.4549, 0.3702, 0.3813 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 63.4549, 0.3702, 0.3813**

## Background



This preview shows how black text looks on a background with the Yxy color 63.4549, 0.3702, 0.3813.



This preview shows how white text looks on a background with the Yxy color 63.4549, 0.3702, 0.3813.

# 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

63.4549, 0.3702, 0.3813

### Protanopia

63.3378, 0.3595, 0.3838

### Deuteranopia

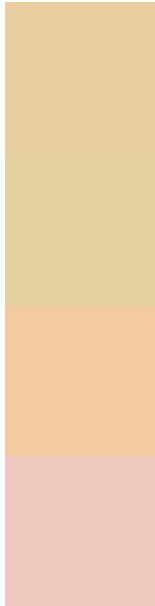
63.2242, 0.3812, 0.3732



## Tritanopia

63.5430, 0.3340, 0.3130

# Trichromacy



## Original Color

63.4549, 0.3702, 0.3813

## Protanomaly

63.4597, 0.3639, 0.3832

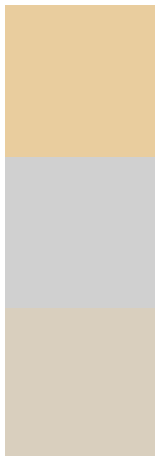
## Deuteranomaly

63.4450, 0.3771, 0.3759

## Tritanomaly

63.6281, 0.3474, 0.3378

# Monochromacy



## Original Color

63.4549, 0.3702, 0.3813

## Achromatopsia

63.0757, 0.3127, 0.3290

## Achromatomaly

63.0951, 0.3327, 0.3485

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 63.4549, 0.3702, 0.3813 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(233, 205, 158)` looks like.

```
.text, #text, p{  
    color:rgb(233, 205, 158)  
}
```

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(233, 205, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 205, 158) }
```

## Border

The CSS property to change the border of an element to Yxy 63.4549, 0.3702, 0.3813 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(233, 205, 158) }
```

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

```
.border{ border-color:rgb(233, 205, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 205, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(233, 205, 158); -webkit-box-shadow:4px 4px 4px 4px rgb(233, 205, 158); box-shadow:4px 4px 4px 4px rgb(233, 205, 158) }
```



# Background

The CSS property to change the background color of an element to Yxy 63.4549, 0.3702, 0.3813 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 205, 158) }
```

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

```
.background{ background-color: rgb(233,  
205, 158) }
```

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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