

# Converting Colors

Yxy(64.5362, 0.3807, 0.3902)

Have a look what the booklet for  
Yxy(64.5362, 0.3807, 0.3902)  
contains.

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# Color

**Yxy(64.6953, 0.3808, 0.3900)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EFCE96
RGB	239, 206, 150
RGB Percent	94%, 81%, 59%
CMY	0.0628, 0.1921, 0.4117
CMYK	0.00, 0.14, 0.37, 0.06
HSL	38°, 74%, 76%
HSV	38°, 37%, 94%
XYZ	63.1692, 64.6953, 38.0209
YIQ	209.4830, 37.6440, -10.4200

# Conversions

## Conversions Part 2

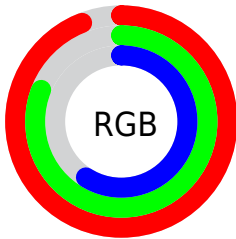
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	202, 239, 150
Decimal	15715990
CIE Lab	84.33, 3.90, 32.14
CIE LCh	84, 32.375, 83.083
Yxy	64.6953, 0.3808, 0.3900
Android (android.graphics.Color)	4293906070 (0xFFEFCE96)
YUV	209.4830, -29.3251, 25.8864
Hunter-Lab	80.4334, -0.5717, 28.2769

# Details

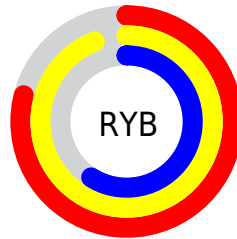
The Yxy color **64.6953, 0.3808, 0.3900** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **46.5799, 0.2506, 0.2589**, and the grayscale version is **64.2710, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.1878, 0.3424, 0.3780**, and **33.3024, 0.3969, 0.4033** is the 20% darker color. If you saturate the color by 10%, you get **59.8599, 0.4027, 0.4060**, and if you desaturate by 10%, it is **69.9341, 0.3602, 0.3732**.

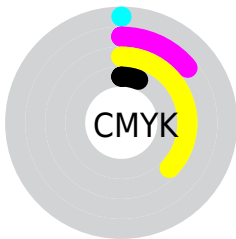
# Distribution



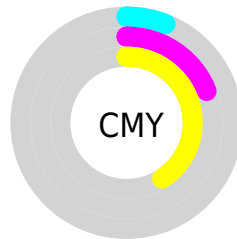
- Red (94%)
- Green (81%)
- Blue (59%)



- Red (79%)
- Yellow (94%)
- Blue (59%)



- Cyan (0%)
- Magenta (14%)
- Yellow (37%)
- Black (6%)




- Cyan (6%)
- Magenta (19%)
- Yellow (41%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.6953, 0.3808, 0.3900 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 64.6953, 0.3808, 0.3900 by changing the saturation by 10% instead.





 64.6953, 0.3808,  
0.3900


 64.6953, 0.3808,  
0.3900


441.6962, 0.3489,  
0.3619

 47.2141, 0.3881,  
0.3963


 111.6117, 0.3697,  
0.3803

 33.2049, 0.3970,  
0.4039


 141.8156, 0.3654,  
0.3766

 22.2835, 0.4081,  
0.4132


177.0292, 0.3617,  
0.3733

 14.0653, 0.4224,  
0.4250

217.6369, 0.3585,  
0.3704

 8.1661, 0.4408,  
0.4397

264.0230, 0.3556,  
0.3679

 4.2014, 0.4662,  
0.4589

316.5720, 0.3531,

 1.7869, 0.5093,

0.3657

0.4907

375.6683, 0.3509,  
0.3637

0.4790, 0.5347,  
0.4653

0.0000, 0.0000,  
0.0000

64.6953, 0.3808,  
0.3900

64.6953, 0.3808,  
0.3900

59.8599, 0.4027,  
0.4060

69.9341, 0.3602,  
0.3732

55.4052, 0.4252,  
0.4203

75.5798, 0.3412,  
0.3565

51.3197, 0.4474,  
0.4317

81.6473, 0.3240,  
0.3402

47.5870, 0.4682,  
0.4390

88.1479, 0.3086,  
0.3248

■ 44.1889, 0.4865,  
0.4414

■ 94.1220, 0.3030,  
0.3244

■ 41.1023, 0.5013,  
0.4384

■ 97.0872, 0.3029,  
0.3290

■ 40.2920, 0.5051,  
0.4371

# Harmonies

## Analogous

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



64.6953, 0.3938, 0.3631



64.6953, 0.3808, 0.3900



64.6953, 0.3495, 0.4021

# Triad

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



64.6953, 0.3808, 0.3900



64.6953, 0.2464, 0.3211



64.6953, 0.3117, 0.2754

# Complementary

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



64.6953, 0.3808, 0.3900



46.5799, 0.2506, 0.2589

# 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.



64.6953, 0.2735, 0.2638



64.6953, 0.3808, 0.3900



64.6953, 0.2377, 0.2872

# Square

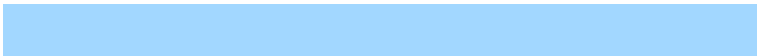
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



64.6953, 0.3808, 0.3900



64.6953, 0.2721, 0.3609



64.6953, 0.2473, 0.2673



64.6953, 0.3526, 0.2992



# Rectangle

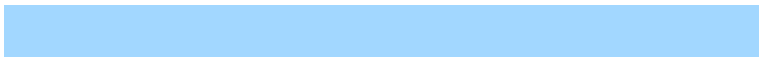
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



64.6953, 0.3808, 0.3900



64.6953, 0.3232, 0.3980



64.6953, 0.2473, 0.2673



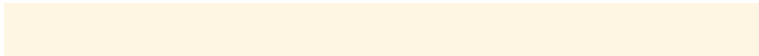
64.6953, 0.2981, 0.2700

# Sweetspot

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



64.6983, 0.3808, 0.3900



91.8691, 0.3304, 0.3463



43.6329, 0.3684, 0.2914



19.4583, 0.3327, 0.3486



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.



64.6983, 0.3808, 0.3900



70.4848, 0.3981, 0.4028



80.5164, 0.3611, 0.4241



17.4170, 0.3277, 0.3438



22.5300, 0.5034, 0.4385



2.0640, 0.4894, 0.4496



# Inverse Universe

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



46.5799, 0.2506, 0.2589



46.5921, 0.2366, 0.2407



35.5657, 0.2520, 0.2182



16.1882, 0.2980, 0.3137



7.5833, 0.1661, 0.1180



0.8152, 0.1734, 0.1441



# Previews

## White Background



This preview shows how the Yxy color 64.6953, 0.3808, 0.3900 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 64.6953, 0.3808, 0.3900 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

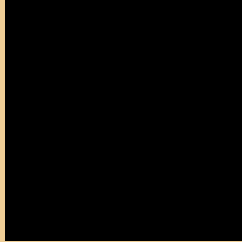
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 64.6953, 0.3808, 0.3900**

## Background



This preview shows how black text looks on a background with the Yxy color 64.6953, 0.3808, 0.3900.



This preview shows how white text looks on a background with the Yxy color 64.6953, 0.3808, 0.3900.

# 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

64.6953, 0.3808, 0.3900

### Protanopia

64.6911, 0.3680, 0.3942

### Deuteranopia

64.7994, 0.3908, 0.3829



## Tritanopia

64.7851, 0.3396, 0.3133

# Trichromacy



**Original Color**

64.6953, 0.3808, 0.3900

**Protanomaly**

64.8242, 0.3724, 0.3935

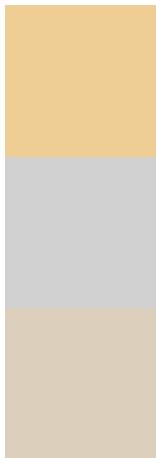
**Deuteranomaly**

64.5391, 0.3871, 0.3846

**Tritanomaly**

64.5457, 0.3546, 0.3409

# Monochromacy



**Original Color**

64.6953, 0.3808, 0.3900

**Achromatopsia**

63.7597, 0.3127, 0.3290

**Achromatomaly**

63.9582, 0.3363, 0.3518

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.6953, 0.3808, 0.3900 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, 206, 150)` looks like.

```
.text, #text, p{  
    color:rgb(239, 206, 150)  
}
```

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, 206, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 206, 150) }
```

## Border

The CSS property to change the border of an element to Yxy 64.6953, 0.3808, 0.3900 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, 206, 150) }
```

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

```
.border{ border-color:rgb(239, 206, 150) }
```

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

Here you see how a box with a 4 pixel rgb(239, 206, 150) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 206, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 206, 150);  
box-shadow:4px 4px 4px 4px rgb(239, 206,  
150) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.6953, 0.3808, 0.3900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 206, 150) }
```

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

```
.background{ background-color: rgb(239,  
206, 150) }
```

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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