

# Converting Colors

Yxy(64.6057, 0.3811, 0.3905)

Have a look what the booklet for  
Yxy(64.6057, 0.3811, 0.3905)  
contains.

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# Color

**Yxy(64.6633, 0.3816, 0.3911)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EFCE95
RGB	239, 206, 149
RGB Percent	94%, 81%, 58%
CMY	0.0627, 0.1921, 0.4158
CMYK	0.00, 0.14, 0.38, 0.06
HSL	38°, 74%, 76%
HSV	38°, 38%, 94%
XYZ	63.0926, 64.6633, 37.5811
YIQ	209.3690, 37.9650, -10.7310

# Conversions

## Conversions Part 2

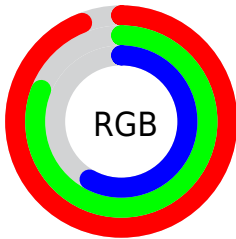
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	201, 239, 149
Decimal	15715989
CIE Lab	84.31, 3.79, 32.66
CIE LCh	84, 32.876, 83.373
Yxy	64.6633, 0.3816, 0.3911
Android (android.graphics.Color)	4293906069 (0xFFEFCE95)
YUV	209.3690, -29.7619, 25.9864
Hunter-Lab	80.4135, -0.6721, 28.5804

# Details

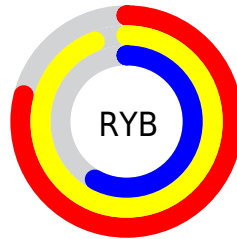
The Yxy color  $64.6633, 0.3816, 0.3911$  is a light color, and the websafe version is hex `FFCC99`. A complement of this color would be  $46.0679, 0.2497, 0.2574$ , and the grayscale version is  $64.1947, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $97.1396, 0.3430, 0.3790$ , and  $33.2834, 0.3978, 0.4046$  is the 20% darker color. If you saturate the color by 10%, you get  $59.8781, 0.4034, 0.4072$ , and if you desaturate by 10%, it is  $69.8463, 0.3610, 0.3743$ .

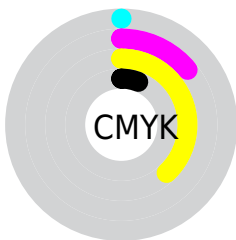
# Distribution



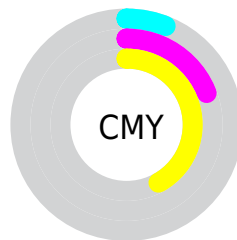
- Red (94%)
- Green (81%)
- Blue (58%)



- Red (79%)
- Yellow (94%)
- Blue (58%)



- Cyan (0%)
- Magenta (14%)
- Yellow (38%)
- Black (6%)




- Cyan (6%)
- Magenta (19%)
- Yellow (42%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.6633, 0.3816, 0.3911 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 64.6633, 0.3816, 0.3911 by changing the saturation by 10% instead.



 64.6633, 0.3816,  
0.3911


 64.6633, 0.3816,  
0.3911

441.5810, 0.3493,  
0.3625

 47.1881, 0.3889,  
0.3975


 111.5656, 0.3704,  
0.3813

 33.1844, 0.3979,  
0.4052


 141.7616, 0.3660,  
0.3774

 22.2677, 0.4092,  
0.4147


176.9666, 0.3623,  
0.3741

 14.0538, 0.4235,  
0.4266

217.5650, 0.3590,  
0.3712

 8.1581, 0.4420,  
0.4415

263.9413, 0.3562,  
0.3686

 4.1963, 0.4677,  
0.4612

316.4798, 0.3536,

 1.7839, 0.5088,

0.3663

0.4912

375.5649, 0.3514,  
0.3643

■ 0.4771, 0.5337,  
0.4663

■ 0.0000, 0.0000,  
0.0000

■ 64.6633, 0.3816,  
0.3911

■ 64.6633, 0.3816,  
0.3911

■ 59.8781, 0.4034,  
0.4072

■ 69.8463, 0.3610,  
0.3743

■ 55.4683, 0.4258,  
0.4214

■ 75.4306, 0.3420,  
0.3574

■ 51.4222, 0.4478,  
0.4327

■ 81.4309, 0.3247,  
0.3410

■ 47.7236, 0.4684,  
0.4399

■ 87.8586, 0.3093,  
0.3255

■ 44.3543, 0.4863,  
0.4421

■ 93.8250, 0.3030,  
0.3239

■ 41.2907, 0.5008,  
0.4391

■ 97.0915, 0.3029,  
0.3290

■ 40.6123, 0.5040,  
0.4380

# Harmonies

## Analogous

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



64.6633, 0.3951, 0.3638



64.6633, 0.3816, 0.3911



64.6633, 0.3497, 0.4033

# Triad

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



64.6633, 0.3816, 0.3911



64.6633, 0.2453, 0.3206



64.6633, 0.3121, 0.2749

# Complementary

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



64.6633, 0.3816, 0.3911



46.0679, 0.2497, 0.2574

# 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.



64.6633, 0.2732, 0.2629



64.6633, 0.3816, 0.3911



64.6633, 0.2367, 0.2862

# Square

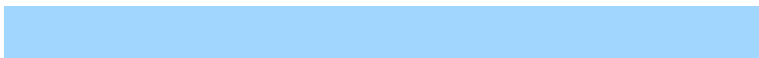
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



64.6633, 0.3816, 0.3911



64.6633, 0.2711, 0.3610



64.6633, 0.2465, 0.2663



64.6633, 0.3536, 0.2990



# Rectangle

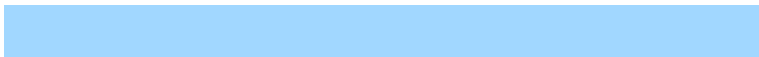
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



64.6633, 0.3816, 0.3911



64.6633, 0.3229, 0.3990



64.6633, 0.2465, 0.2663



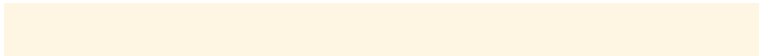
64.6633, 0.2982, 0.2693

# Sweetspot

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



64.6663, 0.3816, 0.3911



91.9376, 0.3304, 0.3465



43.2175, 0.3709, 0.2926



19.4747, 0.3327, 0.3487



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.



64.6663, 0.3816, 0.3911



70.7179, 0.3979, 0.4033



80.2362, 0.3605, 0.4256



17.4281, 0.3277, 0.3439



22.7011, 0.5023, 0.4394



2.0775, 0.4885, 0.4503



# Inverse Universe

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



46.0679, 0.2497, 0.2574



46.4013, 0.2365, 0.2401



35.2967, 0.2522, 0.2170



16.1775, 0.2980, 0.3136



7.4940, 0.1658, 0.1168



0.8069, 0.1731, 0.1430



# Previews

## White Background



This preview shows how the Yxy color 64.6633, 0.3816, 0.3911 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

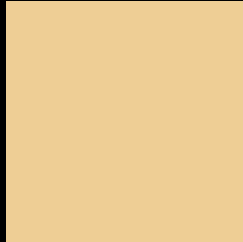
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.6633, 0.3816, 0.3911 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 64.6633, 0.3816, 0.3911**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.6633, 0.3816, 0.3911.



This preview shows how white text looks on a background with the Yxy color 64.6633, 0.3816, 0.3911.

# 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

64.6633, 0.3816, 0.3911

### Protanopia

64.6584, 0.3688, 0.3953

### Deuteranopia

64.7671, 0.3915, 0.3839



## Tritanopia

64.7851, 0.3396, 0.3133

# Trichromacy



## Original Color

64.6633, 0.3816, 0.3911

## Protanomaly

64.7919, 0.3731, 0.3946

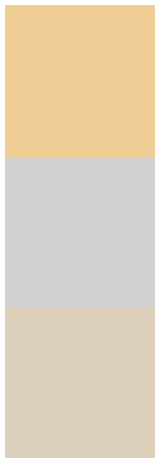
## Deuteranomaly

64.5067, 0.3878, 0.3857

## Tritanomaly

64.5457, 0.3546, 0.3409

# Monochromacy



## Original Color

64.6633, 0.3816, 0.3911

## Achromatopsia

63.7597, 0.3127, 0.3290

## Achromatomaly

63.9153, 0.3371, 0.3529

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.6633, 0.3816, 0.3911 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, 149)` looks like.

```
.text, #text, p{  
    color:rgb(239, 206, 149)  
}
```

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, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 206, 149) }
```

## Border

The CSS property to change the border of an element to Yxy 64.6633, 0.3816, 0.3911 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, 149) }
```

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

```
.border{ border-color:rgb(239, 206, 149) }
```

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, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(239, 206, 149); -webkit-box-shadow:4px 4px 4px 4px rgb(239, 206, 149); box-shadow:4px 4px 4px 4px rgb(239, 206, 149) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.6633, 0.3816, 0.3911 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, 149) }
```

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

```
.background{ background-color: rgb(239,  
206, 149) }
```

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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