

# Converting Colors

$Y_{xy}(64.8956, 0.3642, 0.3674)$

Have a look what the booklet for  
Yxy(64.8956, 0.3642, 0.3674)  
contains.

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# Color

**Yxy(64.5694, 0.3643, 0.3675)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	EDCDA4
RGB	237, 205, 170
RGB Percent	93%, 80%, 67%
CMY	0.0707, 0.1960, 0.3333
CMYK	0.00, 0.13, 0.28, 0.07
HSL	31°, 65%, 80%
HSV	31°, 28%, 93%
XYZ	64.0072, 64.5694, 47.1225
YIQ	210.5780, 30.3070, -4.1010

# Conversions

## Conversions Part 2

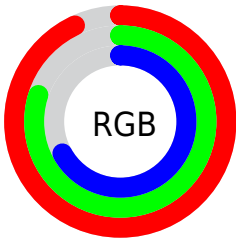
Format	Color
R <sub>Y</sub> B	231, 237, 170
Decimal	15584682
CIE Lab	84.26, 6.10, 21.58
CIE LCh	84, 22.428, 74.217
Yxy	64.5694, 0.3643, 0.3675
Android (android.graphics.Color)	4293774762 (0xFFEDCDA A)
YUV	210.5780, -20.0050, 23.1721
Hunter-Lab	80.3551, 1.5635, 21.4792

# Details

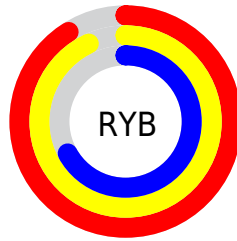
The Yxy color  $64.5694, 0.3643, 0.3675$  is a light color, and the websafe version is hex `FFCC99`. A complement of this color would be  $56.8884, 0.2673, 0.2871$ , and the grayscale version is  $64.9685, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $98.2162, 0.3304, 0.3582$ , and  $33.1445, 0.3764, 0.3762$  is the 20% darker color. If you saturate the color by 10%, you get  $58.5369, 0.3870, 0.3816$ , and if you desaturate by 10%, it is  $71.1607, 0.3439, 0.3534$ .

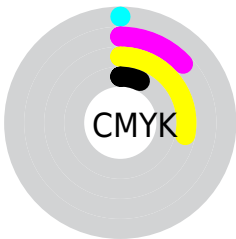
# Distribution



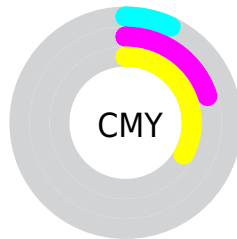
- Red (93%)
- Green (80%)
- Blue (67%)



- Red (91%)
- Yellow (93%)
- Blue (67%)



- Cyan (0%)
- Magenta (13%)
- Yellow (28%)
- Black (7%)




- Cyan (7%)
- Magenta (20%)
- Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.5694, 0.3643, 0.3675 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 64.5694, 0.3643, 0.3675 by changing the saturation by 10% instead.




 64.5694, 0.3643,  
0.3675

 64.5694, 0.3643,  
0.3675


441.2430, 0.3399,  
0.3497

 47.1120, 0.3700,  
0.3715


 111.4306, 0.3557,  
0.3613

 33.1242, 0.3771,  
0.3765


141.6031, 0.3524,  
0.3589

 22.2216, 0.3861,  
0.3826


176.7828, 0.3496,  
0.3569

 14.0198, 0.3980,  
0.3905

217.3542, 0.3471,  
0.3551

 8.1345, 0.4142,  
0.4009

263.7014, 0.3450,  
0.3535

 4.1811, 0.4374,  
0.4148

316.2090, 0.3431,

 1.7754, 0.4936,

0.3521

0.4528

375.2614, 0.3414,  
0.3508

0.4718, 0.5587,  
0.4413

0.0000, 0.0000,  
0.0000

64.5694, 0.3643,  
0.3675

64.5694, 0.3643,  
0.3675

58.5369, 0.3870,  
0.3816

71.1607, 0.3439,  
0.3534

53.0375, 0.4117,  
0.3951

78.3180, 0.3259,  
0.3397

48.0561, 0.4380,  
0.4068

86.0594, 0.3101,  
0.3268

43.5734, 0.4648,  
0.4156

93.7522, 0.3018,  
0.3243

■ 39.5682, 0.4906,  
0.4203

■ 96.7409, 0.3017,  
0.3290

■ 36.0169, 0.5137,  
0.4197

■ 32.8896, 0.5331,  
0.4137

■ 32.3832, 0.5363,  
0.4124

# Harmonies

## Analogous

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



64.5694, 0.3683, 0.3473



64.5694, 0.3643, 0.3675



64.5694, 0.3462, 0.3785

# Triad

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



64.5694, 0.3643, 0.3675



64.5694, 0.2704, 0.3322



64.5694, 0.3039, 0.2874

# Complementary

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



64.5694, 0.3643, 0.3675



56.8884, 0.2673, 0.2871

# 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.



64.5694, 0.2788, 0.2824



64.5694, 0.3643, 0.3675



64.5694, 0.2602, 0.3067

# Square

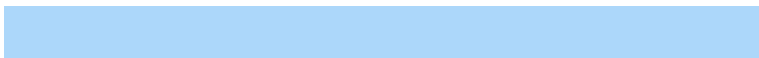
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



64.5694, 0.3643, 0.3675



64.5694, 0.2919, 0.3581



64.5694, 0.2632, 0.2890



64.5694, 0.3325, 0.3023



# Rectangle

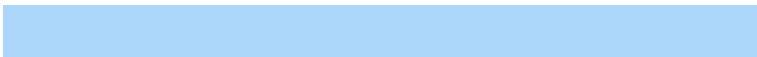
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



64.5694, 0.3643, 0.3675



64.5694, 0.3289, 0.3782



64.5694, 0.2632, 0.2890



64.5694, 0.2948, 0.2845

# Sweetspot

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



64.5724, 0.3643, 0.3675



92.6991, 0.3255, 0.3394



51.0352, 0.3452, 0.2936



19.5583, 0.3281, 0.3414



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.



64.5724, 0.3643, 0.3675



71.9983, 0.3773, 0.3758



81.2681, 0.3546, 0.3998



16.3569, 0.3280, 0.3413



17.9485, 0.5339, 0.4143



1.6019, 0.5137, 0.4303



# Inverse Universe

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



56.8884, 0.2673, 0.2871



61.5142, 0.2576, 0.2768



43.5371, 0.2640, 0.2473



15.7351, 0.2981, 0.3164



10.0604, 0.1752, 0.1505

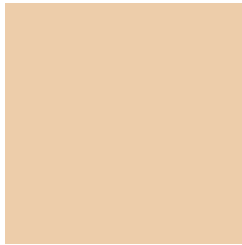


0.9816, 0.1823, 0.1763



# Previews

## White Background



This preview shows how the Yxy color 64.5694, 0.3643, 0.3675 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

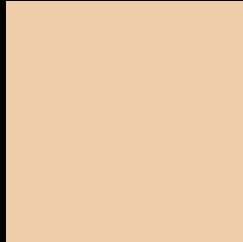
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.5694, 0.3643, 0.3675 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

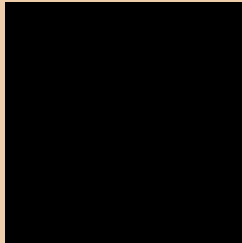
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 64.5694, 0.3643, 0.3675**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.5694, 0.3643, 0.3675.



This preview shows how white text looks on a background with the Yxy color 64.5694, 0.3643, 0.3675.

# 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

64.5694, 0.3643, 0.3675

### Protanopia

64.7597, 0.3501, 0.3722

### Deuteranopia

64.4144, 0.3702, 0.3625



## Tritanopia

64.5791, 0.3355, 0.3132

# Trichromacy



## Original Color

64.5694, 0.3643, 0.3675

## Protanomaly

64.5460, 0.3554, 0.3706

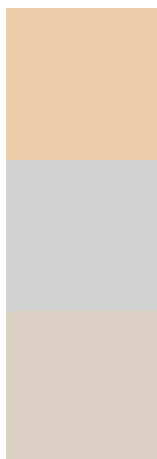
## Deuteranomaly

64.3529, 0.3674, 0.3639

## Tritanomaly

64.3758, 0.3460, 0.3323

# Monochromacy



## Original Color

64.5694, 0.3643, 0.3675

## Achromatopsia

65.1406, 0.3127, 0.3290

## Achromatomaly

64.8021, 0.3303, 0.3437

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.5694, 0.3643, 0.3675 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(237, 205, 170)` looks like.

```
.text, #text, p{  
  color:rgb(237, 205, 170)  
}
```

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(237, 205, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 205, 170) }
```

## Border

The CSS property to change the border of an element to Yxy 64.5694, 0.3643, 0.3675 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(237, 205, 170) }
```

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

```
.border{ border-color:rgb(237, 205, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 205, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 205, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 205, 170);  
box-shadow:4px 4px 4px 4px rgb(237, 205,  
170) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.5694, 0.3643, 0.3675 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 205, 170) }
```

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

```
.background{ background-color: rgb(237,  
205, 170) }
```

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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