

# Converting Colors

$Y_{xy}(68.8040, 0.3572, 0.3734)$

Have a look what the booklet for  
Yxy(68.8040, 0.3572, 0.3734)  
contains.

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# Color

**Yxy(68.8113, 0.3572, 0.3727)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EBD6AE
RGB	235, 214, 174
RGB Percent	92%, 84%, 68%
CMY	0.0784, 0.1608, 0.3175
CMYK	0.00, 0.09, 0.26, 0.08
HSL	39°, 60%, 80%
HSV	39°, 26%, 92%
XYZ	65.9495, 68.8113, 49.8683
YIQ	215.7190, 25.3560, -7.9880

# Conversions

## Conversions Part 2

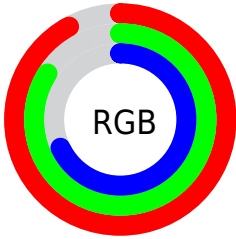
Format	Color
RYB	206, 235, 174
Decimal	15455918
CIELab	86.41, 1.23, 22.41
CIElCh	86, 22.439, 86.868
Yxy	68.8113, 0.3572, 0.3727
Android (android.graphics.Color)	4293645998 (0xFFEBD6AE)
YUV	215.7190, -20.5675, 16.9094
Hunter-Lab	82.9526, -3.2547, 22.4236

# Details

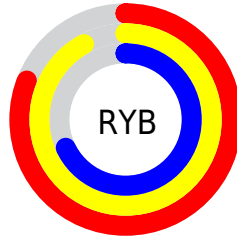
The Yxy color **68.8113, 0.3572, 0.3727** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **54.0447, 0.2703, 0.2810**, and the grayscale version is **68.6010, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.4932, 0.3274, 0.3532**, and **35.7605, 0.3688, 0.3830** is the 20% darker color. If you saturate the color by 10%, you get **63.9811, 0.3772, 0.3901**, and if you desaturate by 10%, it is **74.0117, 0.3387, 0.3554**.

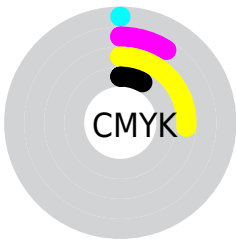
# Distribution



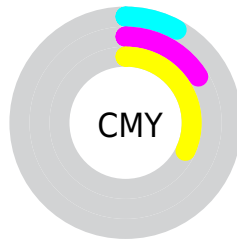
- Red (92%)
- Green (84%)
- Blue (68%)



- Red (81%)
- Yellow (92%)
- Blue (68%)



- Cyan (0%)
- Magenta (9%)
- Yellow (26%)
- Black (8%)




- Cyan (8%)
- Magenta (16%)
- Yellow (32%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.8113, 0.3572, 0.3727 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 68.8113, 0.3572, 0.3727 by changing the saturation by 10% instead.




 68.8113, 0.3572,  
0.3727

 68.8113, 0.3572,  
0.3727


456.3652, 0.3365,  
0.3524

 50.5580, 0.3619,  
0.3773

 117.5120, 0.3500,  
0.3657

 35.8570, 0.3678,  
0.3830


148.7283, 0.3472,  
0.3629

 24.3238, 0.3752,  
0.3901


185.0343, 0.3448,  
0.3606

 15.5740, 0.3848,  
0.3994

226.8145, 0.3427,  
0.3585

 9.2232, 0.3977,  
0.4117

274.4533, 0.3408,  
0.3567

 4.8871, 0.4157,  
0.4286

328.3351, 0.3392,

 2.1811, 0.4508,

0.3551

0.4620

388.8443, 0.3378,  
0.3537

0.7097, 0.4982,  
0.5018

0.0000, 0.0000,  
0.0000

68.8113, 0.3572,  
0.3727

68.8113, 0.3572,  
0.3727

63.9811, 0.3772,  
0.3901

74.0117, 0.3387,  
0.3554

59.5003, 0.3983,  
0.4068

79.5834, 0.3219,  
0.3386

55.3601, 0.4199,  
0.4219

85.5397, 0.3068,  
0.3227

51.5473, 0.4411,  
0.4343

91.0218, 0.3006,  
0.3204

■ 48.0474, 0.4610,  
0.4427

■ 96.0627, 0.3005,  
0.3284

■ 44.8438, 0.4784,  
0.4463

■ 96.4017, 0.3005,  
0.3290

■ 41.9168, 0.4925,  
0.4447

■ 40.7961, 0.4977,  
0.4430

# Harmonies

## Analogous

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



68.8113, 0.3674, 0.3560



68.8113, 0.3572, 0.3727



68.8113, 0.3351, 0.3780

# Triad

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



68.8113, 0.3572, 0.3727



68.8113, 0.2655, 0.3211



68.8113, 0.3160, 0.2933

# Complementary

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



68.8113, 0.3572, 0.3727



54.0447, 0.2703, 0.2810

# 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.



68.8113, 0.2890, 0.2841



68.8113, 0.3572, 0.3727



68.8113, 0.2609, 0.2987

# Square

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



68.8113, 0.3572, 0.3727



68.8113, 0.2824, 0.3473



68.8113, 0.2693, 0.2857



68.8113, 0.3430, 0.3111



# Rectangle

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



68.8113, 0.3572, 0.3727



68.8113, 0.3169, 0.3735



68.8113, 0.2693, 0.2857



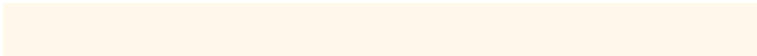
68.8113, 0.3066, 0.2892

# Sweetspot

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



68.8144, 0.3572, 0.3727



94.3543, 0.3253, 0.3420



51.9052, 0.3489, 0.3054



19.9756, 0.3278, 0.3445



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.



68.8144, 0.3572, 0.3727



79.7568, 0.3674, 0.3818



78.6178, 0.3452, 0.3953



16.7029, 0.3276, 0.3444



22.9523, 0.4961, 0.4443



1.9803, 0.4827, 0.4549



# Inverse Universe

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



54.0447, 0.2703, 0.2810



59.2379, 0.2611, 0.2698



46.3739, 0.2746, 0.2562



15.3971, 0.2980, 0.3131



6.8216, 0.1642, 0.1110

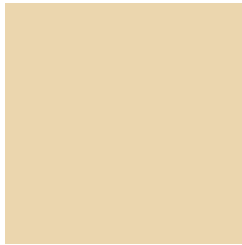


0.7092, 0.1719, 0.1387



# Previews

## White Background



This preview shows how the Yxy color 68.8113, 0.3572, 0.3727 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 68.8113, 0.3572, 0.3727 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

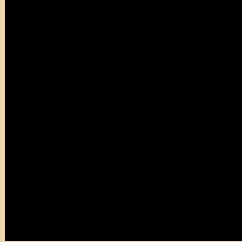
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 68.8113, 0.3572, 0.3727**

## **Background**



This preview shows how black text looks on a background with the Yxy color 68.8113, 0.3572, 0.3727.



This preview shows how white text looks on a background with the Yxy color 68.8113, 0.3572, 0.3727.

# 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

68.8113, 0.3572, 0.3727

### Protanopia

68.8649, 0.3513, 0.3744

### Deuteranopia

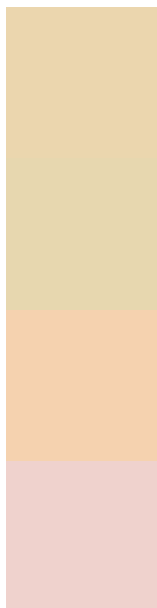
68.7161, 0.3709, 0.3637



## Tritanopia

68.6541, 0.3271, 0.3123

# Trichromacy



## Original Color

68.8113, 0.3572, 0.3727

## Protanomaly

68.6849, 0.3531, 0.3732

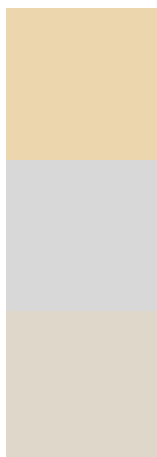
## Deuteranomaly

68.6008, 0.3655, 0.3664

## Tritanomaly

68.8517, 0.3383, 0.3344

# Monochromacy



## Original Color

68.8113, 0.3572, 0.3727

## Achromatopsia

68.6685, 0.3127, 0.3290

## Achromatomaly

68.5059, 0.3283, 0.3446

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 68.8113, 0.3572, 0.3727 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(235, 214, 174)` looks like.

```
.text, #text, p{  
    color:rgb(235, 214, 174)  
}
```

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(235, 214, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 214, 174) }
```

## Border

The CSS property to change the border of an element to Yxy 68.8113, 0.3572, 0.3727 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(235, 214, 174) }
```

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

```
.border{ border-color:rgb(235, 214, 174) }
```

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

Here you see how a box with a 4 pixel rgb(235, 214, 174) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 214, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 214, 174);  
box-shadow:4px 4px 4px 4px rgb(235, 214,  
174) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.8113, 0.3572, 0.3727 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 214, 174) }
```

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

```
.background{ background-color: rgb(235,  
214, 174) }
```

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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