

# Converting Colors

$Yxy(68.3874, 0.3439, 0.3673)$

Have a look what the booklet for  
Yxy(68.3874, 0.3439, 0.3673)  
contains.

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# Color

**Yxy(68.4555, 0.3439, 0.3681)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E1D8B5
RGB	225, 216, 181
RGB Percent	88%, 85%, 71%
CMY	0.1175, 0.1530, 0.2902
CMYK	0.00, 0.04, 0.20, 0.12
HSL	48°, 42%, 80%
HSV	48°, 20%, 88%
XYZ	63.9550, 68.4555, 53.5593
YIQ	214.7010, 16.5990, -8.9770

# Conversions

## Conversions Part 2

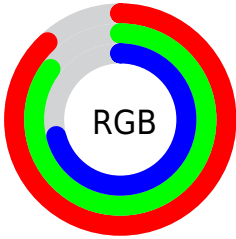
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	192, 225, 181
Decimal	14801077
CIE <sub>Lab</sub>	86.23, -2.52, 18.39
CIE <sub>LCh</sub>	86, 18.559, 97.804
Yxy	68.4555, 0.3439, 0.3681
Android (android.graphics.Color)	4292991157 (0xFFE1D8B5)
YUV	214.7010, -16.6146, 9.0322
Hunter-Lab	82.7378, -6.8136, 19.5358

# Details

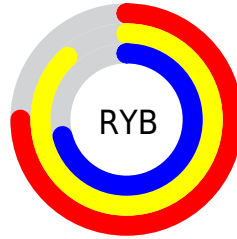
The Yxy color **68.4555, 0.3439, 0.3681** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **52.1060, 0.2809, 0.2866**, and the grayscale version is **67.8527, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.8944, 0.3232, 0.3464**, and **35.4833, 0.3510, 0.3774** is the 20% darker color. If you saturate the color by 10%, you get **65.2748, 0.3613, 0.3887**, and if you desaturate by 10%, it is **71.8580, 0.3274, 0.3478**.

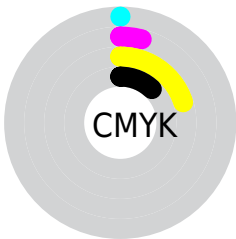
# Distribution



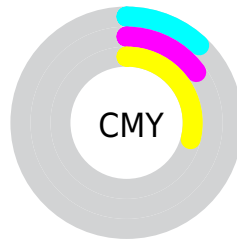
- Red (88%)
- Green (85%)
- Blue (71%)



- Red (75%)
- Yellow (88%)
- Blue (71%)



- Cyan (0%)
- Magenta (4%)
- Yellow (20%)
- Black (12%)




- Cyan (12%)
- Magenta (15%)
- Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.4555, 0.3439, 0.3681 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 68.4555, 0.3439, 0.3681 by changing the saturation by 10% instead.




 68.4555, 0.3439,  
0.3681

 68.4555, 0.3439,  
0.3681

455.1082, 0.3294,  
0.3497

 50.2684, 0.3472,  
0.3724


 117.0035, 0.3389,  
0.3617

 35.6267, 0.3513,  
0.3776


148.1332, 0.3369,  
0.3592

 24.1460, 0.3565,  
0.3843


184.3460, 0.3352,  
0.3571

 15.4420, 0.3633,  
0.3932

226.0260, 0.3337,  
0.3552

 9.1302, 0.3724,  
0.4052

273.5579, 0.3325,  
0.3536

 4.8262, 0.3852,  
0.4226

327.3260, 0.3313,

 2.1456, 0.4066,

0.3522

0.4520

387.7146, 0.3303,  
0.3509

0.6901, 0.4627,  
0.5373

0.0000, 0.0000,  
0.0000

68.4555, 0.3439,  
0.3681

68.4555, 0.3439,  
0.3681

65.2748, 0.3613,  
0.3887

71.8580, 0.3274,  
0.3478

62.2992, 0.3792,  
0.4090

75.4803, 0.3121,  
0.3282

59.5232, 0.3970,  
0.4279

79.3324, 0.2980,  
0.3097

56.9380, 0.4141,  
0.4446

82.3457, 0.2942,  
0.3080

■ 54.5336, 0.4297,  
0.4580

■ 85.0168, 0.2943,  
0.3128

■ 52.2985, 0.4430,  
0.4671

■ 87.7570, 0.2944,  
0.3175

■ 50.2195, 0.4535,  
0.4716

■ 90.5668, 0.2945,  
0.3222

■ 48.2747, 0.4612,  
0.4718

■ 93.4468, 0.2946,  
0.3269

■ 48.1922, 0.4615,  
0.4717

■ 94.7526, 0.2946,  
0.3289

# Harmonies

## Analogous

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



68.4555, 0.3563, 0.3575



68.4555, 0.3439, 0.3681



68.4555, 0.3233, 0.3679

# Triad

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



68.4555, 0.3439, 0.3681



68.4555, 0.2707, 0.3152



68.4555, 0.3240, 0.3039

# Complementary

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



68.4555, 0.3439, 0.3681



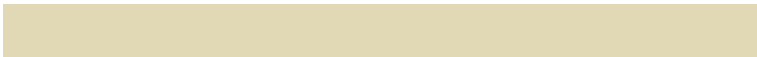
52.1060, 0.2809, 0.2866

# 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.



68.4555, 0.3009, 0.2933



68.4555, 0.3439, 0.3681



68.4555, 0.2708, 0.2989

# Square

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



68.4555, 0.3439, 0.3681



68.4555, 0.2814, 0.3364



68.4555, 0.2816, 0.2913



68.4555, 0.3447, 0.3208



# Rectangle

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



68.4555, 0.3439, 0.3681



68.4555, 0.3079, 0.3613



68.4555, 0.2816, 0.2913



68.4555, 0.3163, 0.2996

# Sweetspot

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



68.4586, 0.3439, 0.3681



97.0664, 0.3219, 0.3407



52.8032, 0.3431, 0.3182



20.7093, 0.3229, 0.3420



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.



68.4586, 0.3439, 0.3681



89.3407, 0.3501, 0.3755



71.2839, 0.3328, 0.3791



15.5268, 0.3272, 0.3475



27.9337, 0.4608, 0.4724



2.0582, 0.4532, 0.4784



# Inverse Universe

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



52.1060, 0.2809, 0.2866



64.3033, 0.2745, 0.2777



49.8874, 0.2898, 0.2768



13.6967, 0.2981, 0.3098



4.4010, 0.1559, 0.0810

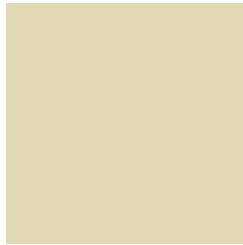


0.4330, 0.1636, 0.1088



# Previews

## White Background



This preview shows how the Yxy color 68.4555, 0.3439, 0.3681 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 68.4555, 0.3439, 0.3681 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

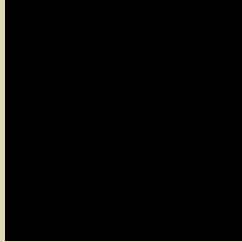
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

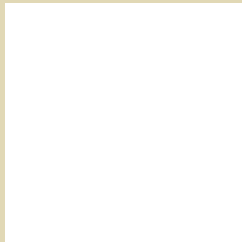
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 68.4555, 0.3439, 0.3681**

## **Background**



This preview shows how black text looks on a background with the Yxy color 68.4555, 0.3439, 0.3681.

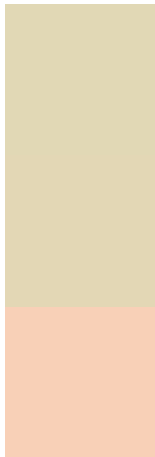


This preview shows how white text looks on a background with the Yxy color 68.4555, 0.3439, 0.3681.

# 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

68.4555, 0.3439, 0.3681

### Protanopia

68.2680, 0.3456, 0.3669

### Deuteranopia

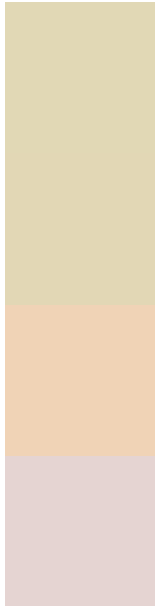
68.4871, 0.3624, 0.3555



## Tritanopia

68.5731, 0.3172, 0.3120

# Trichromacy



**Original Color**

68.4555, 0.3439, 0.3681

**Protanomaly**

68.1058, 0.3449, 0.3670

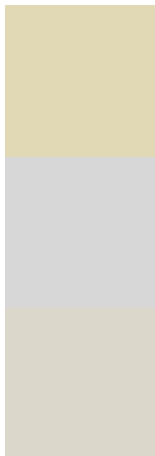
**Deuteranomaly**

68.4912, 0.3560, 0.3603

**Tritanomaly**

68.3981, 0.3268, 0.3312

# Monochromacy



**Original Color**

68.4555, 0.3439, 0.3681

**Achromatopsia**

67.9542, 0.3127, 0.3290

**Achromatomaly**

67.9727, 0.3239, 0.3424

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 68.4555, 0.3439, 0.3681 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(225, 216, 181)` looks like.

```
.text, #text, p{  
    color:rgb(225, 216, 181)  
}
```

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(225, 216, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 216, 181) }
```

## Border

The CSS property to change the border of an element to Yxy 68.4555, 0.3439, 0.3681 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(225, 216, 181) }
```

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

```
.border{ border-color:rgb(225, 216, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 216, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(225, 216, 181); -webkit-box-shadow:4px 4px 4px 4px rgb(225, 216, 181); box-shadow:4px 4px 4px 4px rgb(225, 216, 181) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.4555, 0.3439, 0.3681 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 216, 181) }
```

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

```
.background{ background-color: rgb(225,  
216, 181) }
```

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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