

# Converting Colors

$Yxy(68.4258, 0.3436, 0.3662)$

Have a look what the booklet for  
Yxy(68.4258, 0.3436, 0.3662)  
contains.

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# Color

**Yxy(68.6579, 0.3439, 0.3669)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E2D8B6
RGB	226, 216, 182
RGB Percent	89%, 85%, 71%
CMY	0.1139, 0.1529, 0.2863
CMYK	0.00, 0.04, 0.19, 0.11
HSL	46°, 43%, 80%
HSV	46°, 19%, 89%
XYZ	64.3539, 68.6579, 54.1179
YIQ	215.1140, 16.8740, -8.4540

# Conversions

## Conversions Part 2

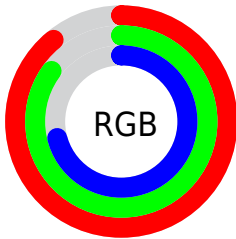
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	195, 226, 182
Decimal	14866614
CIE Lab	86.33, -2.04, 18.01
CIE LCh	86, 18.129, 96.476
Yxy	68.6579, 0.3439, 0.3669
Android (android.graphics.Color)	4293056694 (0xFFE2D8B6)
YUV	215.1140, -16.3252, 9.5470
Hunter-Lab	82.8601, -6.3717, 19.2783

# Details

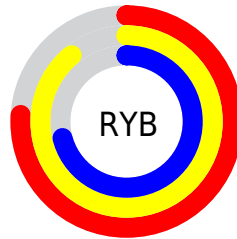
The Yxy color **68.6579, 0.3439, 0.3669** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **53.1094, 0.2812, 0.2880**, and the grayscale version is **68.1389, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.9530, 0.3226, 0.3454**, and **35.6208, 0.3511, 0.3758** is the 20% darker color. If you saturate the color by 10%, you get **65.2226, 0.3615, 0.3871**, and if you desaturate by 10%, it is **72.3315, 0.3273, 0.3471**.

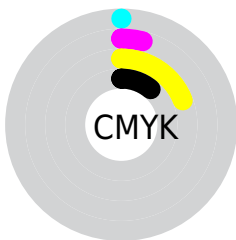
# Distribution



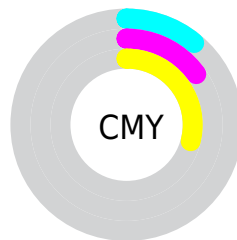
- Red (89%)
- Green (85%)
- Blue (71%)



- Red (76%)
- Yellow (89%)
- Blue (71%)



- Cyan (0%)
- Magenta (4%)
- Yellow (19%)
- Black (11%)




- Cyan (11%)
- Magenta (15%)
- Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.6579, 0.3439, 0.3669 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 68.6579, 0.3439, 0.3669 by changing the saturation by 10% instead.




 68.6579, 0.3439,  
0.3669

 68.6579, 0.3439,  
0.3669

455.8235, 0.3294,  
0.3491

 50.4332, 0.3472,  
0.3710


 117.2928, 0.3389,  
0.3607

 35.7577, 0.3513,  
0.3761


148.4718, 0.3369,  
0.3583

 24.2471, 0.3565,  
0.3826


184.7376, 0.3352,  
0.3562

 15.5170, 0.3633,  
0.3911

226.4747, 0.3337,  
0.3544

 9.1830, 0.3725,  
0.4027

274.0674, 0.3324,  
0.3529

 4.8608, 0.3854,  
0.4194

327.9002, 0.3313,

 2.1658, 0.4065,

0.3515

0.4471

388.3574, 0.3303,  
0.3502

0.7013, 0.4679,  
0.5321

0.0000, 0.0000,  
0.0000

68.6579, 0.3439,  
0.3669

68.6579, 0.3439,  
0.3669

65.2226, 0.3615,  
0.3871

72.3315, 0.3273,  
0.3471

62.0085, 0.3798,  
0.4069

76.2416, 0.3119,  
0.3280

59.0101, 0.3981,  
0.4255

80.3984, 0.2978,  
0.3100

56.2181, 0.4159,  
0.4419

83.6375, 0.2949,  
0.3101

■ 53.6222, 0.4322,  
0.4550

■ 86.6300, 0.2949,  
0.3153

■ 51.2108, 0.4463,  
0.4638

■ 89.7074, 0.2950,  
0.3206

■ 48.9702, 0.4576,  
0.4680

■ 92.8704, 0.2951,  
0.3257

■ 46.8786, 0.4661,  
0.4678

■ 94.9021, 0.2952,  
0.3289

■ 46.7670, 0.4666,  
0.4677

# Harmonies

## Analogous

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



68.6579, 0.3555, 0.3562



68.6579, 0.3439, 0.3669



68.6579, 0.3241, 0.3672

# Triad

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



68.6579, 0.3439, 0.3669



68.6579, 0.2719, 0.3164



68.6579, 0.3228, 0.3039

# Complementary

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



68.6579, 0.3439, 0.3669



53.1094, 0.2812, 0.2880

# 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.



68.6579, 0.3002, 0.2938



68.6579, 0.3439, 0.3669



68.6579, 0.2715, 0.3002

# Square

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



68.6579, 0.3439, 0.3669



68.6579, 0.2828, 0.3372



68.6579, 0.2817, 0.2923



68.6579, 0.3432, 0.3202



# Rectangle

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



68.6579, 0.3439, 0.3669



68.6579, 0.3091, 0.3610



68.6579, 0.2817, 0.2923



68.6579, 0.3152, 0.2997

# Sweetspot

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



68.6610, 0.3439, 0.3669



96.8656, 0.3219, 0.3404



53.4372, 0.3423, 0.3174



20.6617, 0.3229, 0.3417



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

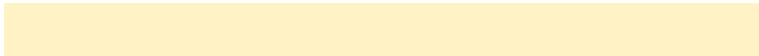


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.6610, 0.3439, 0.3669



88.6089, 0.3503, 0.3744



72.0799, 0.3332, 0.3787



15.4763, 0.3273, 0.3470



26.8774, 0.4657, 0.4684



1.9934, 0.4571, 0.4753



# Inverse Universe

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



53.1094, 0.2812, 0.2880



64.9054, 0.2746, 0.2791



50.3795, 0.2894, 0.2770



13.7436, 0.2981, 0.3103



4.6361, 0.1569, 0.0847

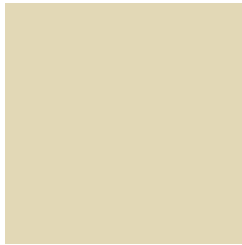


0.4555, 0.1649, 0.1134



# Previews

## White Background



This preview shows how the Yxy color 68.6579, 0.3439, 0.3669 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 68.6579, 0.3439, 0.3669 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

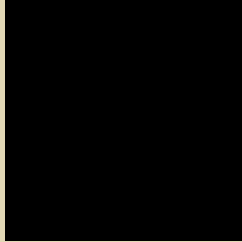
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

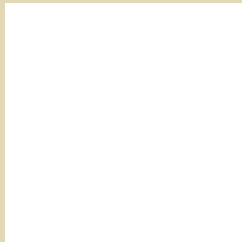
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 68.6579, 0.3439, 0.3669**

## **Background**



This preview shows how black text looks on a background with the Yxy color 68.6579, 0.3439, 0.3669.



This preview shows how white text looks on a background with the Yxy color 68.6579, 0.3439, 0.3669.

# 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

68.6579, 0.3439, 0.3669

### Protanopia

68.4723, 0.3457, 0.3656

### Deuteranopia

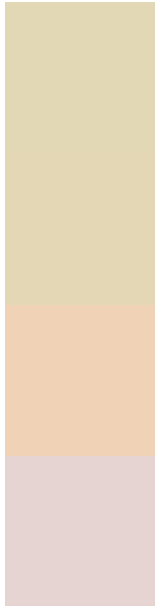
68.5289, 0.3616, 0.3545



## Tritanopia

68.7400, 0.3180, 0.3120

# Trichromacy



## Original Color

68.6579, 0.3439, 0.3669

## Protanomaly

68.3092, 0.3449, 0.3657

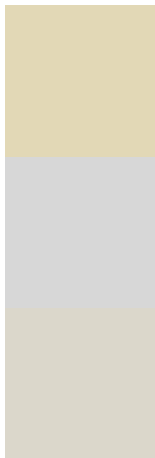
## Deuteranomaly

68.5327, 0.3553, 0.3593

## Tritanomaly

68.5631, 0.3276, 0.3312

# Monochromacy



## Original Color

68.6579, 0.3439, 0.3669

## 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 68.6579, 0.3439, 0.3669 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(226, 216, 182)` looks like.

```
.text, #text, p{  
    color:rgb(226, 216, 182)  
}
```

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(226, 216, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 216, 182) }
```

## Border

The CSS property to change the border of an element to Yxy 68.6579, 0.3439, 0.3669 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(226, 216, 182) }
```

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

```
.border{ border-color:rgb(226, 216, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 216, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 216, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 216, 182);  
box-shadow:4px 4px 4px 4px rgb(226, 216,  
182) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.6579, 0.3439, 0.3669 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 216, 182) }
```

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

```
.background{ background-color: rgb(226,  
216, 182) }
```

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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