

# Converting Colors

$Yxy(68.8604, 0.3476, 0.3701)$

Have a look what the booklet for  
Yxy(68.8604, 0.3476, 0.3701)  
contains.

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# Color

**Yxy(68.8604, 0.3476, 0.3701)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E4D8B3
RGB	228, 216, 179
RGB Percent	89%, 85%, 70%
CMY	0.1061, 0.1528, 0.2981
CMYK	0.00, 0.05, 0.21, 0.11
HSL	45°, 48%, 80%
HSV	45°, 21%, 89%
XYZ	64.6741, 68.8604, 52.5244
YIQ	215.3700, 19.0290, -8.9630

# Conversions

## Conversions Part 2

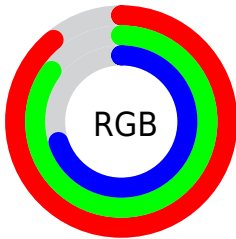
Format	Color
R <sub>Y</sub> B	195, 228, 179
Decimal	14997683
CIE Lab	86.43, -1.75, 19.76
CIE LCh	86, 19.835, 95.065
Yxy	68.8604, 0.3476, 0.3701
Android (android.graphics.Color)	4293187763 (0xFFE4D8B3)
YUV	215.3700, -17.9304, 11.0765
Hunter-Lab	82.9822, -6.1007, 20.5593

# Details

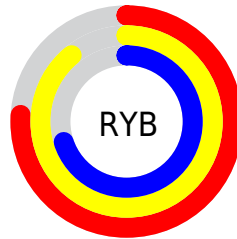
The Yxy color **68.8604, 0.3476, 0.3701** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **52.4053, 0.2777, 0.2842**, and the grayscale version is **68.3302, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.7782, 0.3244, 0.3483**, and **35.7668, 0.3560, 0.3798** is the 20% darker color. If you saturate the color by 10%, you get **65.2188, 0.3656, 0.3899**, and if you desaturate by 10%, it is **72.7568, 0.3306, 0.3506**.

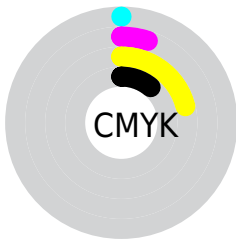
# Distribution



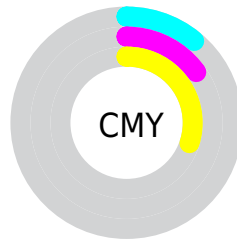
- Red (89%)
- Green (85%)
- Blue (70%)



- Red (76%)
- Yellow (89%)
- Blue (70%)



- Cyan (0%)
- Magenta (5%)
- Yellow (21%)
- Black (11%)




- Cyan (11%)
- Magenta (15%)
- Yellow (30%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.8604, 0.3476, 0.3701 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 68.8604, 0.3476, 0.3701 by changing the saturation by 10% instead.



 68.8604, 0.3476,  
0.3701

 68.8604, 0.3476,  
0.3701

456.5385, 0.3314,  
0.3509

 50.5980, 0.3513,  
0.3745

 117.5822, 0.3420,  
0.3634

 35.8888, 0.3559,  
0.3800


148.8103, 0.3398,  
0.3608

 24.3483, 0.3617,  
0.3870


185.1292, 0.3379,  
0.3586

 15.5922, 0.3692,  
0.3961

226.9233, 0.3362,  
0.3566

 9.2361, 0.3793,  
0.4085

274.5768, 0.3348,  
0.3549

 4.8955, 0.3935,  
0.4261

328.4743, 0.3335,

 2.1861, 0.4180,

0.3534

0.4567

389.0000, 0.3324,  
0.3521

0.7124, 0.4710,  
0.5290

0.0000, 0.0000,  
0.0000

68.8604, 0.3476,  
0.3701

68.8604, 0.3476,  
0.3701

65.2188, 0.3656,  
0.3899

72.7568, 0.3306,  
0.3506

61.8142, 0.3843,  
0.4092

76.9066, 0.3149,  
0.3317

58.6408, 0.4030,  
0.4271

81.3203, 0.3006,  
0.3139

55.6885, 0.4211,  
0.4426

84.9892, 0.2961,  
0.3120

■ 52.9466, 0.4377,  
0.4546

■ 88.2763, 0.2962,  
0.3177

■ 50.4025, 0.4520,  
0.4623

■ 91.6640, 0.2963,  
0.3233

■ 48.0415, 0.4633,  
0.4652

■ 95.1533, 0.2964,  
0.3288

■ 46.1538, 0.4709,  
0.4643

■ 95.2254, 0.2964,  
0.3290

# Harmonies

## Analogous

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



68.8604, 0.3598, 0.3579



68.8604, 0.3476, 0.3701



68.8604, 0.3262, 0.3712

# Triad

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



68.8604, 0.3476, 0.3701



68.8604, 0.2686, 0.3162



68.8604, 0.3225, 0.3010

# Complementary

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



68.8604, 0.3476, 0.3701



52.4053, 0.2777, 0.2842

# Split Complementary

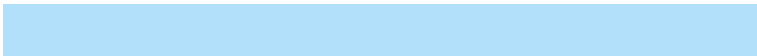
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



68.8604, 0.2979, 0.2904



68.8604, 0.3476, 0.3701



68.8604, 0.2676, 0.2982

# Square

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



68.8604, 0.3476, 0.3701



68.8604, 0.2808, 0.3390



68.8604, 0.2781, 0.2891



68.8604, 0.3451, 0.3184



# Rectangle

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



68.8604, 0.3476, 0.3701



68.8604, 0.3098, 0.3648



68.8604, 0.2781, 0.2891



68.8604, 0.3142, 0.2966

# Sweetspot

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



68.8635, 0.3476, 0.3701



96.6988, 0.3219, 0.3402



52.4934, 0.3454, 0.3152



20.6222, 0.3230, 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.



68.8635, 0.3476, 0.3701



86.5674, 0.3559, 0.3794



73.2668, 0.3360, 0.3841



16.1912, 0.3274, 0.3467



26.8590, 0.4700, 0.4650



2.1273, 0.4610, 0.4722



# Inverse Universe

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



52.4053, 0.2777, 0.2842



61.5905, 0.2693, 0.2730



48.9410, 0.2859, 0.2709



14.4544, 0.2980, 0.3107



4.9970, 0.1578, 0.0879

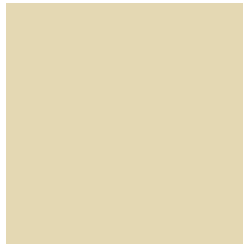


0.5123, 0.1654, 0.1154



# Previews

## White Background



This preview shows how the Yxy color 68.8604, 0.3476, 0.3701 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 68.8604, 0.3476, 0.3701 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

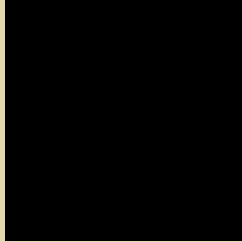
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

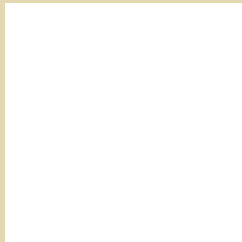
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 68.8604, 0.3476, 0.3701**

## **Background**



This preview shows how black text looks on a background with the Yxy color 68.8604, 0.3476, 0.3701.

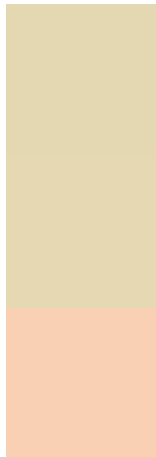


This preview shows how white text looks on a background with the Yxy color 68.8604, 0.3476, 0.3701.

# 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

68.8604, 0.3476, 0.3701

### Protanopia

69.0244, 0.3484, 0.3700

### Deuteranopia

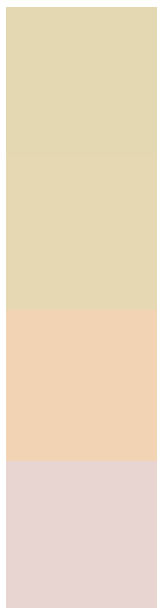
68.7719, 0.3655, 0.3575



## Tritanopia

68.5843, 0.3195, 0.3110

# Trichromacy



## Original Color

68.8604, 0.3476, 0.3701

## Protanomaly

69.0244, 0.3484, 0.3700

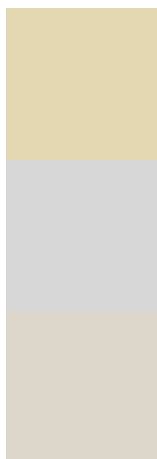
## Deuteranomaly

68.7611, 0.3591, 0.3623

## Tritanomaly

68.8462, 0.3298, 0.3323

# Monochromacy



## Original Color

68.8604, 0.3476, 0.3701

## Achromatopsia

67.9542, 0.3127, 0.3290

## Achromatomaly

68.0808, 0.3253, 0.3435

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 68.8604, 0.3476, 0.3701 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(228, 216, 179)` looks like.

```
.text, #text, p{  
    color:rgb(228, 216, 179)  
}
```

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(228, 216, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 216, 179) }
```

## Border

The CSS property to change the border of an element to Yxy 68.8604, 0.3476, 0.3701 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(228, 216, 179) }
```

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

```
.border{ border-color:rgb(228, 216, 179) }
```

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

Here you see how a box with a 4 pixel rgb(228, 216, 179) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 216, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 216, 179);  
box-shadow:4px 4px 4px 4px rgb(228, 216,  
179) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.8604, 0.3476, 0.3701 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 216, 179) }
```

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

```
.background{ background-color: rgb(228,  
216, 179) }
```

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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