

# Converting Colors

$Yxy(66.7806, 0.3589, 0.3874)$

Have a look what the booklet for  
Yxy(66.7806, 0.3589, 0.3874)  
contains.

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# Color

**Yxy(66.8705, 0.3588, 0.3874)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E2D6A2
RGB	226, 214, 162
RGB Percent	89%, 84%, 64%
CMY	0.1137, 0.1608, 0.3648
CMYK	0.00, 0.05, 0.28, 0.11
HSL	49°, 52%, 76%
HSV	49°, 28%, 89%
XYZ	61.9338, 66.8705, 43.8093
YIQ	211.6600, 23.8440, -13.6280

# Conversions

## Conversions Part 2

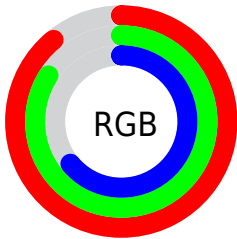
<b>Format</b>	<b>Color</b>
<b>RYB</b>	177, 226, 162
Decimal	14866082
CIELab	85.44, -3.76, 27.24
CIELCh	85, 27.502, 97.853
Yxy	66.8705, 0.3588, 0.3874
Android (android.graphics.Color)	4293056162 (0xFFE2D6A2)
YUV	211.6600, -24.4824, 12.5762
Hunter-Lab	81.7744, -7.9140, 25.4784

# Details

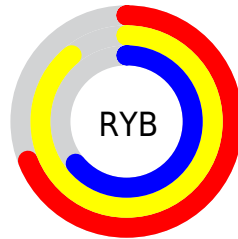
The Yxy color **66.8705, 0.3588, 0.3874** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **43.4352, 0.2648, 0.2629**, and the grayscale version is **65.7559, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.7898, 0.3352, 0.3661**, and **34.4681, 0.3697, 0.4008** is the 20% darker color. If you saturate the color by 10%, you get **64.0225, 0.3764, 0.4081**, and if you desaturate by 10%, it is **69.9248, 0.3417, 0.3664**.

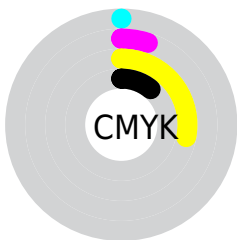
# Distribution



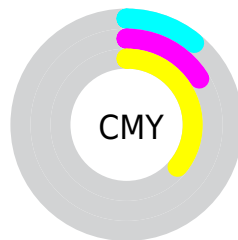
- Red (89%)
- Green (84%)
- Blue (64%)



- Red (69%)
- Yellow (89%)
- Blue (64%)



- Cyan (0%)
- Magenta (5%)
- Yellow (28%)
- Black (11%)




- Cyan (11%)
- Magenta (16%)
- Yellow (36%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 66.8705, 0.3588, 0.3874 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 66.8705, 0.3588, 0.3874 by changing the saturation by 10% instead.





 66.8705, 0.3588,  
0.3874

 66.8705, 0.3588,  
0.3874


449.4837, 0.3374,  
0.3599

 48.9794, 0.3636,  
0.3937

 114.7348, 0.3514,  
0.3778

 34.6031, 0.3695,  
0.4016


 145.4768, 0.3485,  
0.3741

 23.3573, 0.3769,  
0.4114

181.2713, 0.3461,  
0.3709

 14.8576, 0.3864,  
0.4243

222.5025, 0.3439,  
0.3681

 8.7195, 0.3987,  
0.4415

269.5550, 0.3420,  
0.3657

 4.5587, 0.4148,  
0.4652

322.8131, 0.3403,

 1.9907, 0.4663,

0.3635

382.6612, 0.3388,  
0.3616

0.5337

0.6021, 0.4439,  
0.5561

0.0000, 0.0000,  
0.0000

66.8705, 0.3588,  
0.3874

66.8705, 0.3588,  
0.3874

64.0225, 0.3764,  
0.4081

69.9248, 0.3417,  
0.3664

61.3637, 0.3939,  
0.4276

73.1840, 0.3254,  
0.3457

58.8881, 0.4106,  
0.4449

76.6582, 0.3103,  
0.3258

56.5860, 0.4258,  
0.4589

80.3541, 0.2963,  
0.3070

■ 54.4461, 0.4388,  
0.4689

■ 82.9238, 0.2949,  
0.3088

■ 52.4556, 0.4489,  
0.4742

■ 85.3834, 0.2949,  
0.3132

■ 50.5956, 0.4563,  
0.4750

■ 87.9013, 0.2950,  
0.3175

■ 50.2947, 0.4574,  
0.4750

■ 90.4779, 0.2951,  
0.3218

■ 93.1135, 0.2952,  
0.3261

# Harmonies

## Analogous

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



66.8705, 0.3778, 0.3705



66.8705, 0.3588, 0.3874



66.8705, 0.3279, 0.3882

# Triad

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



66.8705, 0.3588, 0.3874



66.8705, 0.2509, 0.3076



66.8705, 0.3293, 0.2923

# Complementary

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



66.8705, 0.3588, 0.3874



43.4352, 0.2648, 0.2629

# Split Complementary

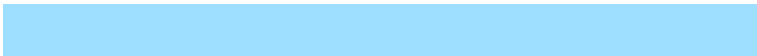
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



66.8705, 0.2948, 0.2769



66.8705, 0.3588, 0.3874



66.8705, 0.2511, 0.2840

# Square

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



66.8705, 0.3588, 0.3874



66.8705, 0.2662, 0.3397



66.8705, 0.2667, 0.2735



66.8705, 0.3606, 0.3165



# Rectangle

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



66.8705, 0.3588, 0.3874



66.8705, 0.3050, 0.3782



66.8705, 0.2667, 0.2735



66.8705, 0.3176, 0.2860

# Sweetspot

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



66.8735, 0.3588, 0.3874



95.8929, 0.3266, 0.3471



45.0872, 0.3624, 0.3142



20.3876, 0.3289, 0.3501



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

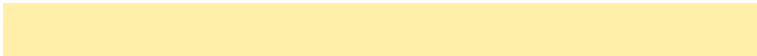


# Same Dimension

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



66.8735, 0.3588, 0.3874



85.6770, 0.3691, 0.3997



70.2467, 0.3409, 0.4032



15.5695, 0.3272, 0.3479



28.8524, 0.4567, 0.4756



2.1143, 0.4499, 0.4810



# Inverse Universe

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



43.4352, 0.2648, 0.2629



50.0935, 0.2536, 0.2466



41.1669, 0.2782, 0.2504



13.6572, 0.2981, 0.3094



4.2207, 0.1551, 0.0781

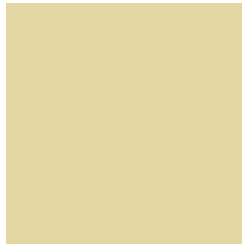


0.4144, 0.1625, 0.1050



# Previews

## White Background



This preview shows how the Yxy color 66.8705, 0.3588, 0.3874 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 66.8705, 0.3588, 0.3874 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

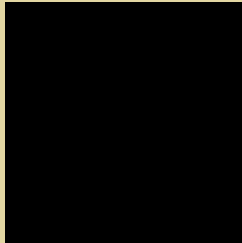
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

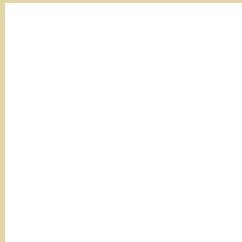
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 66.8705, 0.3588, 0.3874**

## **Background**



This preview shows how black text looks on a background with the Yxy color 66.8705, 0.3588, 0.3874.



This preview shows how white text looks on a background with the Yxy color 66.8705, 0.3588, 0.3874.

# 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

66.8705, 0.3588, 0.3874

### Protanopia

66.6911, 0.3607, 0.3860

### Deuteranopia

66.8522, 0.3804, 0.3722



## Tritanopia

66.7402, 0.3218, 0.3119

# Trichromacy



## Original Color

66.8705, 0.3588, 0.3874

## Protanomaly

66.5280, 0.3598, 0.3862

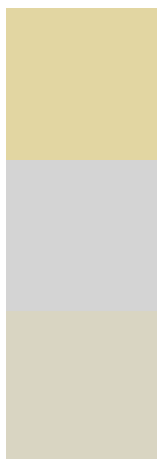
## Deuteranomaly

66.6333, 0.3728, 0.3776

## Tritanomaly

66.5941, 0.3352, 0.3389

# Monochromacy



## Original Color

66.8705, 0.3588, 0.3874

## Achromatopsia

65.8375, 0.3127, 0.3290

## Achromatomaly

66.2353, 0.3289, 0.3506

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 66.8705, 0.3588, 0.3874 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, 214, 162)` looks like.

```
.text, #text, p{  
    color:rgb(226, 214, 162)  
}
```

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, 214, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 214, 162) }
```

## Border

The CSS property to change the border of an element to Yxy 66.8705, 0.3588, 0.3874 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, 214, 162) }
```

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

```
.border{ border-color:rgb(226, 214, 162) }
```

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

Here you see how a box with a 4 pixel rgb(226, 214, 162) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 214, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 214, 162);  
box-shadow:4px 4px 4px 4px rgb(226, 214,  
162) }
```



# Background

The CSS property to change the background color of an element to Yxy 66.8705, 0.3588, 0.3874 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 214, 162) }
```

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

```
.background{ background-color: rgb(226,  
214, 162) }
```

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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