

# Converting Colors

Yxy(67.1449, 0.3594, 0.3894)

Have a look what the booklet for  
Yxy(67.1449, 0.3594, 0.3894)  
contains.

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# Color

**Yxy(67.3428, 0.3592, 0.3895)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E2D7A1
RGB	226, 215, 161
RGB Percent	89%, 84%, 63%
CMY	0.1136, 0.1569, 0.3686
CMYK	0.00, 0.05, 0.29, 0.11
HSL	50°, 53%, 76%
HSV	50°, 29%, 89%
XYZ	62.1041, 67.3428, 43.4486
YIQ	212.1330, 23.8900, -14.4620

# Conversions

## Conversions Part 2

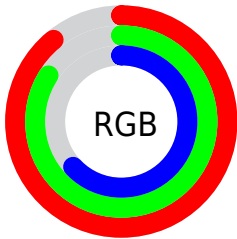
Format	Color
<b>RYB</b>	174, 226, 161
Decimal	14866337
CIELab	85.68, -4.39, 28.06
CIELCh	86, 28.402, 98.887
Yxy	67.3428, 0.3592, 0.3895
Android (android.graphics.Color)	4293056417 (0xFFE2D7A1)
YUV	212.1330, -25.2086, 12.1614
Hunter-Lab	82.0627, -8.5229, 26.0524

# Details

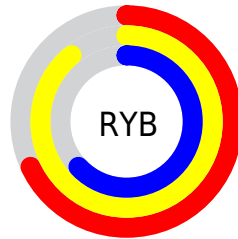
The Yxy color **67.3428, 0.3592, 0.3895** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **42.5916, 0.2639, 0.2602**, and the grayscale version is **66.0945, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.7379, 0.3358, 0.3671**, and **34.7918, 0.3702, 0.4036** is the 20% darker color. If you saturate the color by 10%, you get **64.6892, 0.3765, 0.4105**, and if you desaturate by 10%, it is **70.1924, 0.3423, 0.3681**.

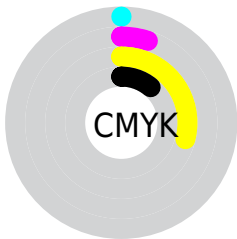
# Distribution



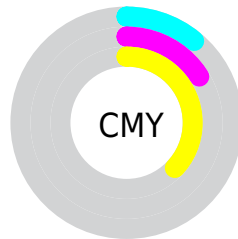
- Red (89%)
- Green (84%)
- Blue (63%)



- Red (68%)
- Yellow (89%)
- Blue (63%)



- Cyan (0%)
- Magenta (5%)
- Yellow (29%)
- Black (11%)




- Cyan (11%)
- Magenta (16%)
- Yellow (37%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 67.3428, 0.3592, 0.3895 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 67.3428, 0.3592, 0.3895 by changing the saturation by 10% instead.





 67.3428, 0.3592,  
0.3895


 67.3428, 0.3592,  
0.3895


451.1640, 0.3377,  
0.3610

 49.3633, 0.3640,  
0.3960


 115.4115, 0.3518,  
0.3796

 34.9077, 0.3699,  
0.4041


 146.2694, 0.3489,  
0.3757

 23.5918, 0.3773,  
0.4144


182.1889, 0.3464,  
0.3724

 15.0311, 0.3867,  
0.4276

223.5544, 0.3442,  
0.3695

 8.8412, 0.3988,  
0.4453

270.7502, 0.3423,  
0.3670

 4.6378, 0.4145,  
0.4697

324.1609, 0.3406,

 2.0363, 0.4629,

0.3648

0.5371

384.1707, 0.3391,  
0.3628

0.6285, 0.4382,  
0.5618

0.0000, 0.0000,  
0.0000

67.3428, 0.3592,  
0.3895

67.3428, 0.3592,  
0.3895

64.6892, 0.3765,  
0.4105

70.1924, 0.3423,  
0.3681

62.2144, 0.3936,  
0.4303

73.2363, 0.3261,  
0.3469

59.9127, 0.4097,  
0.4477

76.4847, 0.3109,  
0.3265

57.7741, 0.4243,  
0.4618

79.9440, 0.2969,  
0.3073

■ 55.7878, 0.4365,  
0.4718

■ 82.3340, 0.2949,  
0.3077

■ 53.9406, 0.4459,  
0.4772

■ 84.5429, 0.2949,  
0.3117

■ 52.2130, 0.4525,  
0.4783

■ 86.7995, 0.2950,  
0.3156

■ 52.0043, 0.4533,  
0.4783

■ 89.1038, 0.2951,  
0.3195

■ 91.4563, 0.2951,  
0.3234

# Harmonies

## Analogous

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



67.3428, 0.3794, 0.3725



67.3428, 0.3592, 0.3895



67.3428, 0.3270, 0.3897

# Triad

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



67.3428, 0.3592, 0.3895



67.3428, 0.2489, 0.3058



67.3428, 0.3310, 0.2920

# Complementary

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



67.3428, 0.3592, 0.3895



42.5916, 0.2639, 0.2602

# 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.



67.3428, 0.2954, 0.2758



67.3428, 0.3592, 0.3895



67.3428, 0.2497, 0.2820

# Square

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



67.3428, 0.3592, 0.3895



67.3428, 0.2640, 0.3388



67.3428, 0.2662, 0.2718



67.3428, 0.3630, 0.3170



# Rectangle

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



67.3428, 0.3592, 0.3895



67.3428, 0.3035, 0.3790



67.3428, 0.2662, 0.2718



67.3428, 0.3190, 0.2854

# Sweetspot

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



67.3458, 0.3592, 0.3895



96.1502, 0.3265, 0.3475



44.6817, 0.3644, 0.3152



20.4514, 0.3289, 0.3506



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.



67.3458, 0.3592, 0.3895



86.2419, 0.3704, 0.4032



70.0216, 0.3405, 0.4045



15.6131, 0.3271, 0.3483



29.8138, 0.4527, 0.4788



2.1726, 0.4467, 0.4835



# Inverse Universe

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



42.5916, 0.2639, 0.2602



48.3029, 0.2514, 0.2417



40.8832, 0.2785, 0.2493



13.6172, 0.2981, 0.3089



4.0534, 0.1543, 0.0754



0.3955, 0.1614, 0.1010



# Previews

## White Background



This preview shows how the Yxy color 67.3428, 0.3592, 0.3895 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 67.3428, 0.3592, 0.3895 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

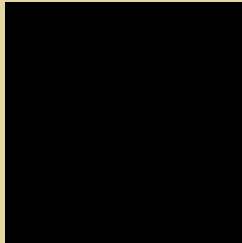
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

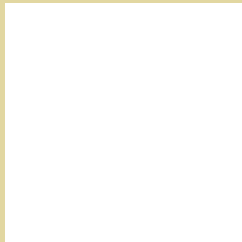
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 67.3428, 0.3592, 0.3895**

## Background



This preview shows how black text looks on a background with the Yxy color 67.3428, 0.3592, 0.3895.



This preview shows how white text looks on a background with the Yxy color 67.3428, 0.3592, 0.3895.

# 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

67.3428, 0.3592, 0.3895

### Protanopia

67.3244, 0.3619, 0.3880

### Deuteranopia

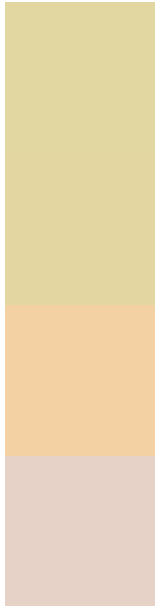
67.0024, 0.3820, 0.3732



## Tritanopia

67.4458, 0.3218, 0.3120

# Trichromacy



## Original Color

67.3428, 0.3592, 0.3895

## Protanomaly

67.1603, 0.3611, 0.3882

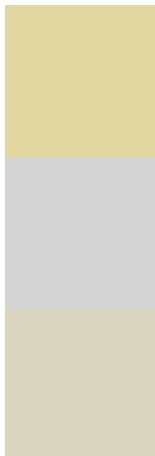
## Deuteranomaly

67.2642, 0.3740, 0.3796

## Tritanomaly

67.2522, 0.3358, 0.3400

# Monochromacy



## Original Color

67.3428, 0.3592, 0.3895

## Achromatopsia

65.8375, 0.3127, 0.3290

## Achromatomaly

66.1905, 0.3297, 0.3517

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 67.3428, 0.3592, 0.3895 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, 215, 161)` looks like.

```
.text, #text, p{  
    color:rgb(226, 215, 161)  
}
```

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, 215, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 215, 161) }
```

## Border

The CSS property to change the border of an element to Yxy 67.3428, 0.3592, 0.3895 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, 215, 161) }
```

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

```
.border{ border-color:rgb(226, 215, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 215, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(226, 215, 161); -webkit-box-shadow:4px 4px 4px 4px rgb(226, 215, 161); box-shadow:4px 4px 4px 4px rgb(226, 215, 161) }
```



# Background

The CSS property to change the background color of an element to Yxy 67.3428, 0.3592, 0.3895 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 215, 161) }
```

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

```
.background{ background-color: rgb(226,  
215, 161) }
```

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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